

Prehľad publikačnej činnosti a ohlasov

RNDr. Milan Sýkora, MBA, PhD.

Menný zoznam publikácií:

V2 Vedecký výstup publikačnej činnosti ako časť editovanej knihy alebo zborníka

Počet výstupov: 19

V2_001 / Rezaie Ahari, Ehsan (Autor) [Interný doktorand] [UKOPRCAG] (70%) - Sýkora, Milan (Autor) [UKOPRCAM] (30%): **Electronic Passivation of CdSe Nanocrystals by ZnO Shelling**. – text, graf. – [recenzované].

In: *Študentská vedecká konferencia PriF UK 2025* [elektronický dokument] : zborník recenzovaných príspevkov / Chovancová, Mária [Zostavovateľ, editor] ; Sebechlebská, Táňa [Zostavovateľ, editor] ; Kostoláni, Dominik [Zostavovateľ, editor] ; Juračka, Dominik [Zostavovateľ, editor] ; Šmida, Dominik [Zostavovateľ, editor]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2025. – ISBN (online) 978-80-223-6080-7, s. 878-883 [online]

Študentská vedecká konferencia PriF UK [Bratislava, Slovensko, 30.04.2025]

Počet všetkých autorov: 2

[príspevok z podujatia]

Lit.: 11

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

V2_002 / Božeková, Ivana (Autor) [Interný doktorand] [UKOPRCAM] (60%) - Mazúrová, Mária (Autor) [SZULFOMIK] (5%) - Horniačková, Miroslava (Autor) [SZULFUMIK] (5%) - Zaťková, Janka (Autor) (5%) - Sýkora, Milan (Autor) [UKOPRCAM] (25%): **Gold nanocrystals for the studies of bacterial growth inhibition**. – text, graf., obr. – [recenzované].

In: *Študentská vedecká konferencia PriF UK 2024* [elektronický dokument] : zborník recenzovaných príspevkov / Chovancová, Mária [Zostavovateľ, editor] ; Sebechlebská, Táňa [Zostavovateľ, editor] ; Kostoláni, Dominik [Zostavovateľ, editor] ; Juračka, Dominik [Zostavovateľ, editor] ; Šmida, Dominik [Zostavovateľ, editor]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2024. – ISBN (online) 978-80-223-5822-4, s. 607-612 [online]

Študentská vedecká konferencia PriF UK 2024 [Bratislava, Slovensko, 25.04.2024]

Počet všetkých autorov: 5

[príspevok z podujatia]

Lit.: 65

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

V2_003 / Božeková, Ivana (Autor) [Interný doktorand] [UKOPRCAM] (60%) - Mazúrová, Mária (Autor) [SZULFOMIK] (5%) - Zaťková, Janka (Autor) (5%) - Horniačková, Miroslava (Autor) [SZULFUMIK] (5%) - Sýkora, Milan (Korešpondenčný autor) [UKOPRCAM] (25%) - Mudra, Erika (Recenzent) - Shepa, Ivan (Recenzent) : **Utilizing Gold Nanocrystals to Study Bacterial Growth Inhibition**. – text, graf., obr.

In: *The 8th International Conference on Novel Materials Fundamentals and Applications* [elektronický dokument] : book of abstracts / Shepa, Jana [Zostavovateľ, editor]. – 1. vyd. – Košice (Slovensko) : Univerzita Pavla Jozefa Šafárika v Košiciach, 2024. – ISBN (online) 978-80-574-0353-1, s. 40-43 [online]

International Conference on Novel Materials Fundamentals and Applications, 8 [Štrbské pleso, Slovensko, 13.10.2024-16.10.2024]

Počet všetkých autorov: 5

[abstrakt z podujatia - KP]

Lit.: 4

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

V2_004 / Rezaie Ahari, Ehsan (Autor) [Interný doktorand] [UKOPRCAG] (30%) - Haque, Anamul (Autor) (20%) - Tisovský, Pavol (Autor) (10%) - Bystrický, Roman (Autor) [UKOPRCAM] (10%) - Vretenár, Viliam (Autor) [060700] (10%) - Sýkora, Milan (Autor) [UKOPRCAM] (20%): **Photoluminescence study of BaZrS3 Perovskite nanocrystals at a single nanocrystal level**. – text, graf., tab. – [recenzované].

In: *Študentská vedecká konferencia PriF UK 2024* [elektronický dokument] : zborník recenzovaných príspevkov / Chovancová, Mária [Zostavovateľ, editor] ; Sebechlebská, Táňa [Zostavovateľ, editor] ; Kostoláni, Dominik [Zostavovateľ, editor] ; Juračka, Dominik [Zostavovateľ, editor] ; Šmida, Dominik [Zostavovateľ, editor]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2024. – ISBN (online) 978-80-223-5822-4, s. 798-803 [online]

Študentská vedecká konferencia PriF UK 2024 [Bratislava, Slovensko, 25.04.2024]

Počet všetkých autorov: 6

[príspevok z podujatia]

Lit.: 14

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

V2_005 / Tiwari, Sameer Kumar (Autor) [Interný doktorand] [UKOPRCAM] (50%) - Bystrický, Roman (Autor) [UKOPRCAM] (20%) - Hutár, Peter (Autor) (10%) - Sýkora, Milan (Autor) [UKOPRCAM] (20%) - Mudra, Erika (Recenzent) - Shepa, Ivan (Recenzent) : **BaZrS₃ for photovoltaic applications. Towards understanding of the mechanism of formation at moderate temperatures..** – text, graf.

In: *The 8th International Conference on Novel Materials Fundamentals and Applications* [elektronický dokument] : book of abstracts / Shepa, Jana [Zostavovateľ, editor]. – 1. vyd. – Košice (Slovensko) : Univerzita Pavla Jozefa Šafárika v Košiciach, 2024. – ISBN (online) 978-80-574-0353-1, s. 124-126 [online]

International Conference on Novel Materials Fundamentals and Applications, 8 [Štrbské pleso, Slovensko, 13.10.2024-16.10.2024]

Počet všetkých autorov: 4

[abstrakt z podujatia - KP]

Lit.: 5

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

V2_006 / Tiwari, Sameer Kumar (Autor) [Interný doktorand] [UKOPRCAM] (50%) - Bystrický, Roman (Autor) [UKOPRCAM] (20%) - Hutár, Peter (Autor) (10%) - Sýkora, Milan (Autor) [UKOPRCAM] (20%): **Mechanism of BaZrO₃ thin film sulfurization for application in photovoltaics.** – text, tab., obr. – [recenzované].

In: *Študentská vedecká konferencia PriF UK 2024* [elektronický dokument] : zborník recenzovaných príspevkov / Chovancová, Mária [Zostavovateľ, editor] ; Sebechlebská, Táňa [Zostavovateľ, editor] ; Kostoláni, Dominik [Zostavovateľ, editor] ; Juračka, Dominik [Zostavovateľ, editor] ; Šmida, Dominik [Zostavovateľ, editor]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2024. – ISBN (online) 978-80-223-5822-4, s. 833-837 [online]

Študentská vedecká konferencia PriF UK 2024 [Bratislava, Slovensko, 25.04.2024]

Počet všetkých autorov: 4

[príspevok z podujatia]

Lit.: 6

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

V2_007 / Ullattila, Pranav Sasikumar (Autor) [Interný doktorand] [UKOPRCOR] (60%) - Sýkora, Milan (Autor) [UKOPRCAM] (10%) - Tisovský, Pavol (Autor) (30%) - Danko, Martin (Recenzent) - Kooš, Peter (Recenzent) : **Synthesis of π -Extended Functionalized N-Heteroacene and Electronic Applications.** – text, tab.

In: *Zimné kolokvium organickej chémie 2024* [elektronický dokument] : Zborník príspevkov / Cigán, Marek [Zostavovateľ, editor] ; Mravec, Bernard [Zostavovateľ, editor] ; Mravíková, Zuzana [Zostavovateľ, editor] ; Šebesta, Radovan [Zostavovateľ, editor]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2024. – ISBN (online) 978-80-223-5977-1, s. 94-101 [online]

Počet všetkých autorov: 3

[príspevok]

Lit.: 10

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

V2_008 / Božeková, Ivana (Autor) [Interný doktorand] [UKOPRCAM] (25%) - Mazúrová, Mária (Autor) (25%) - Horniačková, Miroslava (Autor) [SZULFUMIK] (25%) - Sýkora, Milan (Autor) [UKOPRCAM] (25%): **Colloidal gold and silver nanocrystals for studies of antimicrobial activity.** – text, graf., obr. – [recenzované].

In: *Študentská vedecká konferencia PriF UK 2023* [textový dokument (print)] [elektronický dokument] : zborník recenzovaných príspevkov / Chovancová, Mária [Zostavovateľ, editor] ; Sebechlebská, Táňa [Zostavovateľ, editor] ; Viglašová, Eva [Zostavovateľ, editor] ; Gajanová, Dagmara [Zostavovateľ, editor]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2023. – ISBN 978-80-223-5608-4. – ISBN (online) 978-80-223-

5609-1, s. 668-672 [tlačená forma] [online]
Študentská vedecká konferencia PriF UK 2023 [Bratislava, Slovensko, 26.04.2023]
Počet všetkých autorov: 4
[príspevok z podujatia]
Lit.: 11
[OV 120 Chémia, chemická technológia a biotechnológia]
[ŠO 1420 chémia]

V2_009 / Tiwari, Sameer Kumar (Autor) [Interný doktorand] [UKOPRCAM] (25%) - Bystrický, Roman (Autor) [UKOPRCAM] (25%) - Hutár, Peter (Autor) (25%) - Sýkora, Milan (Autor) [UKOPRCAM] (25%): **Novel synthesis approach for the preparation of chalcogenide perovskites**. – text, graf., obr. – [recenzované].
In: Študentská vedecká konferencia PriF UK 2023 [textový dokument (print)] [elektronický dokument] : zborník recenzovaných príspevkov / Chovancová, Mária [Zostavovateľ, editor] ; Sebechlebská, Táňa [Zostavovateľ, editor] ; Viglašová, Eva [Zostavovateľ, editor] ; Gajanová, Dagmara [Zostavovateľ, editor]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2023. – ISBN 978-80-223-5608-4. – ISBN (online) 978-80-223-5609-1, s. 840-845 [tlačená forma] [online]
Študentská vedecká konferencia PriF UK 2023 [Bratislava, Slovensko, 26.04.2023]
Počet všetkých autorov: 4
[príspevok z podujatia]
Lit.: 14
[OV 120 Chémia, chemická technológia a biotechnológia]
[ŠO 1420 chémia]

V2_010 / Božeková, Ivana (Autor) [Interný doktorand] [UKOPRCAM] (60%) - Mazúrová, Mária (Autor) (10%) - Horniačková, Miroslava (Autor) [SZULFUMIK] (10%) - Sýkora, Milan (Korešpondenčný autor) [UKOPRCAM] (20%): **Colloidal Gold and Silver Nanocrystals for Studies of Antimicrobial Activity**. – text, ilustr., graf.
In: *The 6th International Conference on Nanomaterials: Fundamentals and Applications* [elektronický dokument] : book of abstracts / Shepa, Jana [Zostavovateľ, editor] ; Múdra, Erika [Recenzent] ; Shepa, Ivan [Recenzent]. – 1. vyd. – Košice (Slovensko) : Univerzita Pavla Jozefa Šafárika v Košiciach, 2022. – ISBN (online) 978-80-574-0127-8, s. 29-32 [online]
International Conference on Nanomaterials: Fundamentals and Applications, 6 [Štrbské Pleso, Slovensko, 16.10.2022-19.10.2022]
Počet všetkých autorov: 4
[abstrakt z podujatia - KP]
Lit.: 310
[OV 120 Chémia, chemická technológia a biotechnológia]
[ŠO 1420 chémia]

V2_011 / Haque, Anamul (Autor) [UKOPRCAM] (60%) - Zechel, Filip (Autor) [Interný doktorand] [UKOPRCAM] (20%) - Sýkora, Milan (Korešpondenčný autor) [UKOPRCAM] (20%): **Investigation of the Growth Mechanism and Optical Properties of Heterostructures of Binary and Ternary Chalcogenide Nanocrystals**. – text, ilustr., graf.
In: *The 6th International Conference on Nanomaterials: Fundamentals and Applications* [elektronický dokument] : book of abstracts / Shepa, Jana [Zostavovateľ, editor] ; Múdra, Erika [Recenzent] ; Shepa, Ivan [Recenzent]. – 1. vyd. – Košice (Slovensko) : Univerzita Pavla Jozefa Šafárika v Košiciach, 2022. – ISBN (online) 978-80-574-0127-8, s. 54-55 [online]
International Conference on Nanomaterials: Fundamentals and Applications, 6 [Štrbské Pleso, Slovensko, 16.10.2022-19.10.2022]
Počet všetkých autorov: 3
[abstrakt z podujatia - KP]
Lit.: 4
[OV 120 Chémia, chemická technológia a biotechnológia]
[ŠO 1420 chémia]

V2_012 / Jaykhedkar, Namrata (Autor) [Interný doktorand] [UKOPRCAM] (25%) - Bystrický, Roman (Autor) [UKOPRCAM] (25%) - Sýkora, Milan (Autor) [UKOPRCAM] (25%) - Bučko, Tomáš (Autor) [UKOPRCFZ] (25%) - Šebesta, Radovan (Recenzent) - Galamboš, Michal (Recenzent) : **Temperature Dependent Structural and Electronic Properties of SrZrS₃ in Distorted Perovskite Phase**. – text, ilustr., graf.
In: Študentská vedecká konferencia PriF UK 2022 [elektronický dokument] [textový dokument (print)] : zborník recenzovaných príspevkov / Viglašová, Eva [Zostavovateľ, editor] ; Chovancová, Mária [Zostavovateľ, editor] ; Sebechlebská, Táňa [Zostavovateľ, editor] ; Gajanová, Dagmara [Zostavovateľ, editor]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave. Prírodovedecká fakulta UK, 2022. – ISBN 978-80-223-5385-4,

s. 790-795 [online] [tlačená forma]

Študentská vedecká konferencia PriF UK 2022, 14 [Bratislava, Slovensko, 27.04.2022]

Počet všetkých autorov: 4

[príspevok z podujatia]

Lit.: 14

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

V2_013 / Jaykhedkar, Namrata (Autor) [Interný doktorand] [UKOPRCAM] (50%) - Bystrický, Roman (Autor) [UKOPRCAM] (10%) - Sýkora, Milan (Autor) [UKOPRCAM] (20%) - Bučko, Tomáš (Korešpondenčný autor) [UKOPRCFZ] (20%): **Understanding Structure-Bandgap Relationship in Chalcogenide Perovskites** : Insights from Machine Learned MD-NPT Study. – text, ilustr.

In: *The 6th International Conference on Nanomaterials: Fundamentals and Applications* [elektronický dokument] : book of abstracts / Shepa, Jana [Zostavovateľ, editor] ; Múdra, Erika [Recenzent] ; Shepa, Ivan [Recenzent]. – 1. vyd. – Košice (Slovensko) : Univerzita Pavla Jozefa Šafárika v Košiciach, 2022. – ISBN (online) 978-80-574-0127-8, s. 70-72 [online]

International Conference on Nanomaterials: Fundamentals and Applications, 6 [Štrbské Pleso, Slovensko, 16.10.2022-19.10.2022]

Počet všetkých autorov: 4

[abstrakt z podujatia - KP]

Lit.: 8

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

V2_014 / Sýkora, Milan (Korešpondenčný autor) [UKOPRCAM] (60%) - Ji, Zhiqiang (Autor) (10%) - Mini Rajendran, Gokul Raj (Autor) [UKOPRCAM] (10%) - Tisovský, Pavol (Autor) (10%) - Pašteka, Lukáš Félix (Autor) [UKOPRCFZ] (10%): **Size-dependent Electronic Properties of Strongly Confined Graphene Quantum Dots**. – text, graf.

In: *The 6th International Conference on Nanomaterials: Fundamentals and Applications* [elektronický dokument] : book of abstracts / Shepa, Jana [Zostavovateľ, editor] ; Múdra, Erika [Recenzent] ; Shepa, Ivan [Recenzent]. – 1. vyd. – Košice (Slovensko) : Univerzita Pavla Jozefa Šafárika v Košiciach, 2022. – ISBN (online) 978-80-574-0127-8, s. 16-17 [online]

International Conference on Nanomaterials: Fundamentals and Applications, 6 [Štrbské Pleso, Slovensko, 16.10.2022-19.10.2022]

Počet všetkých autorov: 5

[abstrakt z podujatia - KP]

Lit.: 4

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

V2_015 / Mini Rajendran, Gokul Raj (Autor) [UKOPRCAM] (50%) - Tisovský, Pavol (Autor) (20%) - Pašteka, Lukáš Félix (Autor) [UKOPRCFZ] (10%) - Sýkora, Milan (Korešpondenčný autor) [UKOPRCAM] (20%): **Effect of Charging on the Electronic Structure and Plasmonic Properties of Derivatized Anthracenes**. – text, graf.

In: *The 6th International Conference on Nanomaterials: Fundamentals and Applications* [elektronický dokument] : book of abstracts / Shepa, Jana [Zostavovateľ, editor] ; Múdra, Erika [Recenzent] ; Shepa, Ivan [Recenzent]. – 1. vyd. – Košice (Slovensko) : Univerzita Pavla Jozefa Šafárika v Košiciach, 2022. – ISBN (online) 978-80-574-0127-8, s. 102-103 [online]

International Conference on Nanomaterials: Fundamentals and Applications, 6 [Štrbské Pleso, Slovensko, 16.10.2022-19.10.2022]

Počet všetkých autorov: 4

[abstrakt z podujatia - KP]

Lit.: 3

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

V2_016 / Tiwari, Sameer Kumar (Autor) [Interný doktorand] [UKOPRCAM] (50%) - Bystrický, Roman (Autor) [UKOPRCAM] (20%) - Hutár, Peter (Autor) (10%) - Sýkora, Milan (Korešpondenčný autor) [UKOPRCAM] (20%): **Novel synthesis approach for the preparation of chalcogenide Perovskites**. – text, ilustr.

In: *The 6th International Conference on Nanomaterials: Fundamentals and Applications* [elektronický dokument] : book of abstracts / Shepa, Jana [Zostavovateľ, editor] ; Múdra, Erika [Recenzent] ; Shepa, Ivan [Recenzent]. – 1. vyd. – Košice (Slovensko) : Univerzita Pavla Jozefa Šafárika v Košiciach, 2022. – ISBN (online) 978-80-574-0127-8, s. 137-139 [online]

International Conference on Nanomaterials: Fundamentals and Applications, 6 [Štrbské Pleso, Slovensko, 16.10.2022-19.10.2022]

Počet všetkých autorov: 4

[abstrakt z podujatia - KP]

Lit.: 3

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

V2_017 / Bystrický, Roman (Korešpondenčný autor) [UKOPRCAM] (50%) - Tiwari, Sameer Kumar (Autor) [Interný doktorand] [UKOPRCAM] (20%) - Hutár, Peter (Autor) (10%) - Sýkora, Milan (Autor) [UKOPRCAM] (20%): **Synthesis and Characterization of the Ternary Chalcogenide Perovskites**. – text, graf.

In: *The 6th International Conference on Nanomaterials: Fundamentals and Applications* [elektronický dokument] : book of abstracts / Shepa, Jana [Zostavovateľ, editor] ; Múdra, Erika [Recenzent] ; Shepa, Ivan [Recenzent]. – 1. vyd. – Košice (Slovensko) : Univerzita Pavla Jozefa Šafárika v Košiciach, 2022. – ISBN (online) 978-80-574-0127-8, s. 35-37 [online]

International Conference on Nanomaterials: Fundamentals and Applications, 6 [Štrbské Pleso, Slovensko, 16.10.2022-19.10.2022]

Počet všetkých autorov: 4

[abstrakt z podujatia - KP]

Lit.: 14

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

V2_018 / Zechel, Filip (Autor) [Interný doktorand] [UKOPRCAM] (50%) - Hutár, Peter (Autor) (15%) - Haque, Anamul (Autor) [UKOPRCAM] (15%) - Sýkora, Milan (Korešpondenčný autor) [UKOPRCAM] (20%):

Preparation of MoS₂ Nanocrystals by Colloidal Methods Using Nontoxic Precursors. – text, ilustr., graf., tab.

In: *The 6th International Conference on Nanomaterials: Fundamentals and Applications* [elektronický dokument] : book of abstracts / Shepa, Jana [Zostavovateľ, editor] ; Múdra, Erika [Recenzent] ; Shepa, Ivan [Recenzent]. – 1. vyd. – Košice (Slovensko) : Univerzita Pavla Jozefa Šafárika v Košiciach, 2022. – ISBN (online) 978-80-574-0127-8, s. 143-145 [online]

International Conference on Nanomaterials: Fundamentals and Applications, 6 [Štrbské Pleso, Slovensko, 16.10.2022-19.10.2022]

Počet všetkých autorov: 4

[abstrakt z podujatia - KP]

Lit.: 6

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

V2_019 / Zinoviev, Daniil (Autor) (70%) - Sýkora, Milan (Korešpondenčný autor) [UKOPRCAM] (30%): **Reactor for studies of photocatalytic activity of quantum-confined nanocrystals**. – text, ilustr., fotogr.

In: *The 6th International Conference on Nanomaterials: Fundamentals and Applications* [elektronický dokument] : book of abstracts / Shepa, Jana [Zostavovateľ, editor] ; Múdra, Erika [Recenzent] ; Shepa, Ivan [Recenzent]. – 1. vyd. – Košice (Slovensko) : Univerzita Pavla Jozefa Šafárika v Košiciach, 2022. – ISBN (online) 978-80-574-0127-8, s. 146-147 [online]

International Conference on Nanomaterials: Fundamentals and Applications, 6 [Štrbské Pleso, Slovensko, 16.10.2022-19.10.2022]

Počet všetkých autorov: 2

[abstrakt z podujatia - KP]

Lit.: 5

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

V3 Vedecký výstup publikačnej činnosti z časopisu

Počet výstupov: 12

V3_001 / Bystrický, Roman (Autor) [UKOPRCAM] (30%) - Tiwari, Sameer Kumar (Autor) [Interný doktorand] [UKOPRCAM] (30%) - Hutár, Peter (Autor) (10%) - Sýkora, Milan (Korešpondenčný autor) [UKOPRCAM] (30%): **Thermal Stability of Chalcogenide Perovskites**. – text, graf. – [recenzované]. – DOI 10.1021/acs.inorgchem.4c01308. – SCO ; WOS CC ; SCIE ; CCC ; Nature Index.

In: *Inorganic Chemistry* [textový dokument (print)] [elektronický dokument] . – Washington (USA) : American Chemical Society. – ISSN 0020-1669. – ISSN (online) 1520-510X. – Roč. 63, č. 28 (2024), s. 12826-12838 [tlačená forma] [online]

Počet všetkých autorov: 4

[článok]

Lit.: 43

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

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AIS: 0.692 - 2023

Kvartil Q:

2023, AIS - Chemistry, inorganic & nuclear - Q1; **2023, JCI** - Chemistry, inorganic & nuclear - Q1; **2023, JIF** - Chemistry, inorganic & nuclear - Q1; **2023, Scimago** - Chemistry (miscellaneous) - Q1; **2023, Scimago** - Inorganic chemistry - Q1; **2023, Scimago** - Physical and theoretical chemistry - Q1

Ohlasy (6):

2025 [01/20] / NLD - Srinivasan, Dhineshkumar - Rasu Chettiar, Aruna Devi - Marasamy, Latha. **Engineering BaHfS₃ with Zr alloying to improve solar cell performance: Insights from SCAPS-1D simulations** [elektronický dokument]. DOI 10.1016/j.mseb.2025.118126 In: Materials Science and Engineering B.Solid State Materials for Advanced Technology. Amsterdam: Elsevier, 2025, Roč. 315, art. no. 118126 [tlačená forma] [online]. ISSN 0921-5107. ISSN (online) 1873-4944. - SCO ; CCC ; WOS CC, s. art. no. 118126

2025 [01/20] / USA - Kayastha, Prakriti - Fransson, Erik - Erhart, Paul - Whalley, Lucy. **Octahedral Tilt-Driven Phase Transitions in BaZrS₃ Chalcogenide Perovskite** [elektronický dokument]. DOI 10.1021/acs.jpcclett.4c03517 In: The Journal of Physical Chemistry Letters. Washington: American Chemical Society, 2025, Roč. 16, č. 8, s. 2064-2071 [online]. ISSN (online) 1948-7185. - SCO ; CCC ; WOS CC, s. 2064 - 2071

2025 [01/20] / NLD - Mahmoud, Eman Khalafalla - El-dek, S. I. - Farghali, Ahmed A. - Taha, Mohamed. **Exploring photocatalytic and photovoltaic applications of chalcogenide Perovskites, ABS₃ (A = Li, Na, K, Rb, Cs; B = Si, Ge, Sn): A First-Principles investigation using the HSE-06 hybrid functional** [elektronický dokument]. DOI 10.1016/j.inoche.2024.113650 In: Inorganic Chemistry Communications. Amsterdam: Elsevier, 2025, Roč. 172, art. no. 113650 [tlačená forma] [online]. ISSN 1387-7003. ISSN (online) 1879-0259. - SCO, s. art. no. 113650

2025 [01/20] / GBR - Agarwal, Shubhanshu - Vincent, Kiruba Catherine - Agrawal, Rakesh. **From synthesis to application: a review of BaZrS₃ chalcogenide perovskites** [elektronický dokument]. DOI 10.1039/d4nr03880k In: Nanoscale. Cambridge: The Royal Society of Chemistry, 2025, Roč. 17, č. 8, s. 4250-4300 [tlačená forma] [online]. ISSN 2040-3364. ISSN (online) 2040-3372. - SCO ; CCC ; WOS CC, s. 4250 - 4300

2024 [01/20] / USA - Jaiswal, Ankit - Sakharov, Konstantin A. - Lekina, Yulia - Kamonsuangkasem, Krongthong - Tamm, Yvonne - Wei, Fengxia - White, Timothy J. **High-Temperature Polymorphism and Band-Gap Evolution in BaZrS₃** [elektronický dokument]. DOI 10.1021/acs.inorgchem.4c03895 In: Inorganic Chemistry. Washington: American Chemical Society, 2024, Roč. 63, č. 51, s. 24157-24166 [tlačená forma] [online]. ISSN 0020-1669. ISSN (online) 1520-510X. - SCO, s. 24157 - 24166

2024 [01/20] / GBR - Pradhan, Apurva A. - Agarwal, Shubhanshu - Vincent, Kiruba Catherine - Hayes, Daniel C. - Peterson, Jonas M. - Turnley, Jonathan W. - Spilker, Robert M. - Uible, Madeleine C. - Bart, Suzanne C. - Huang, Libai - Kisslinger, Kim - Agrawal, Rakesh. **Emergence of Ruddlesden-Popper phases and other pitfalls for moderate temperature solution deposited chalcogenide perovskites** [elektronický dokument]. DOI 10.1039/d4qm00441h In: Materials chemistry frontiers. Londýn: The Royal Society of Chemistry, 2024, Roč. 8, č. 20, s. 3358-3372 [online]. ISSN (online) 2052-1537. - SCO ; CCC ; WOS CC, s. 3358 - 3372

V3_002 / Haque, Anamul (Autor) (20%) - Zechel, Filip (Autor) (20%) - Vretenár, Viliam (Autor) [060700] (20%) - Roy, Mrinmoy (Autor) [UKOPRCAM] (20%) - Sýkora, Milan (Autor) [UKOPRCAM] (20%): **Type-II CdSe/ZnO Core/Shell Nanorods: Nanoheterostructures with A Tunable Dual Emission in Visible and Near-Infrared Spectral Ranges.** – text, fotogr., graf. – [recenzované]. – DOI 10.1002/adfm.202305296. – SCO ; CCC ; WOS CC ; SCIE ; OA ; Nature Index.

In: *Advanced Functional Materials* [textový dokument (print)] [elektronický dokument]. – Weinheim (Nemecko) : John Wiley & Sons. Wiley-VCH. – ISSN 1616-301X. – ISSN (online) 1616-3028. – Roč. 34, č. 16 (2024), art. no. 2305296, s. [764-774] [tlačená forma] [online]

Počet všetkých autorov: 5

[článok]

Lit.: 76

[OV 110 Metalurgické a montážne vedy - OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 2381 strojárstvo - ŠO 1160 fyzika - ŠO 1420 chémia]

Indikátor časopisu:

IF: 18.5 - 2023

SNIP: 2,516 - 2023

SJR: 5,496 - 2023

CiteScore: 29,5 - 2023

AIS: 4.049 - 2023

Kvartil Q:

2023, AIS - Chemistry, multidisciplinary - Q1; **2023, AIS** - Chemistry, physical - Q1; **2023, AIS** - Materials science, multidisciplinary - Q1; **2023, AIS** - Nanoscience & nanotechnology - Q1; **2023, AIS** - Physics, applied - Q1; **2023, AIS** - Physics, condensed matter - Q1; **2023, JCI** - Chemistry, multidisciplinary - Q1; **2023, JCI** - Chemistry, physical - Q1; **2023, JCI** - Materials science, multidisciplinary - Q1; **2023, JCI** - Nanoscience & nanotechnology - Q1; **2023, JCI** - Physics, applied - Q1; **2023, JCI** - Physics, condensed matter - Q1; **2023, JIF** - Chemistry, multidisciplinary - Q1; **2023, JIF** - Chemistry, physical - Q1; **2023, JIF** - Materials science, multidisciplinary - Q1; **2023, JIF** - Nanoscience & nanotechnology - Q1; **2023, JIF** - Physics, applied - Q1; **2023, JIF** - Physics, condensed matter - Q1; **2023, Scimago** - Biomaterials - Q1; **2023, Scimago** - Chemistry (miscellaneous) - Q1; **2023, Scimago** - Condensed matter physics - Q1; **2023, Scimago** - Electrochemistry - Q1; **2023, Scimago** - Electronic, optical and magnetic materials - Q1; **2023, Scimago** - Materials science (miscellaneous) - Q1; **2023, Scimago** - Nanoscience and nanotechnology - Q1

Ohlasy (7):

2025 [01/20] / NLD - Warner, Timothy - Rinaudo, Michael - Xu, Yang - Han, Jiho - Ashokan, Arun - Kirkwood, Nicholas - Widmer-Cooper, Asaph - Smith, Trevor A. - Ghiggino, Kenneth P. - Rosengarten, Gary. **Effect of luminescent nanocrystal alignment on fluorescence anisotropy and light guiding in polymer films** [elektronický dokument]. DOI 10.1016/j.optmat.2024.116606 In: Optical Materials. Amsterdam: Elsevier, 2025, Roč. 159, [tlačaná forma] [online]. ISSN 0925-3467. ISSN (online) 1873-1252. - SCO

2025 [01/20] / DEU - Xiao, Yonghao - Bradley, David G. - Chan, Wei Xin - Hu, Xinwen - Xiao, Lian - Liu, Zhenpeng - Tan, Zi Yang - Zhao, Xin - Li, Chenfei - Sadek, Mansour - Ravi, Vikash Kumar - Tam, Ying Hern - Wang, Xiaotao - Garcia, Felipe - Sun, Handong - Low, Seow Chin - Phua, Poh Boon - Sum, Tze Chien - Zhou, Xiuwen - Lim, Yee-Fun - Hanna, John V. - Soo, Han Sen. **Optical time-lapsed in situ mechanochemical studies on metal halide perovskite systems** [elektronický dokument]. DOI 10.1038/s41467-025-56571-w In: Nature Communications. Londýn: Springer Nature. Nature Publishing Group, 2025, Roč. 16, č. 1, s. [online]. ISSN (online) 2041-1723. - WOS CC

2025 [01/20] / CHE - Jakubauskas, Gediminas - Paluckiene, Edita - Usoviene, Egle - Petrasauskiene, Neringa. **Influence of Different Chemical Methods Used for the Deposition of CdSe/ZnO Layers** [elektronický dokument]. DOI 10.3390/coatings15040415 In: Coatings. Bazilej: Multidisciplinary Digital Publishing Institute, 2025, Roč. 15, č. 4, s. [online]. ISSN (online) 2079-6412. - WOS CC ; CCC ; SCO

2025 [01/20] / GBR - Sun, Han - Dong, Yonghao - Wang, Lei - Wang, Xudong - Xin, Junwei - Ren, Jie - Jing, Ruosong - Yan, Jiayuan - Xue, Yichun - Zhao, Keyan. **Achieving carrier migration pathway transformation to enhance photocatalytic moxifloxacin degradation activity by regulating the Fermi Level of g-C₃N₄/ZnIn₂S₄ through sulfur vacancies** [elektronický dokument]. DOI 10.1016/j.jece.2025.117494 In: Journal of Environmental Chemical Engineering. Oxford: Elsevier, 2025, Roč. 13, č. 5, [tlačaná forma] [online]. ISSN 2213-2929. ISSN (online) 2213-3437. - SCO

2024 [01/20] / GBR - Malashin, Ivan P. - Daibagya, Daniil - Tynchenko, Vadim - Nelyub, Vladimir - Borodulin, Aleksei - Gantimurov, Andrei - Selyukov, Alexandr - Ambrozevich, Sergey - Vasiliev, Roman. **Exploring temperature-dependent photoluminescence dynamics of colloidal CdSe nanoplatelets using machine learning approach** [elektronický dokument]. DOI 10.1038/s41598-024-81200-9 In: Scientific reports. Londýn: Springer Nature. Nature Publishing Group, 2024, Roč. 14, č. 1, [online]. ISSN (online) 2045-2322. - SCO

2024 [01/20] / USA - Hao, Yelin - Liu, Xinghua - Wang, Zhi - Song, Haitao - Wang, Long - Zheng, Jingxia - Wang, Hua - Yan, Lingpeng - Wei, Changting - Yang, Yongzhen. **Robust and Reliable Organic Dye-Embedded Zinc Oxide Nanocomposite Phosphor with a Broad Spectrum and High Efficiency Enables an Eco-Friendly White Laser Light Diode** [elektronický dokument]. DOI 10.1021/acssuschemeng.4c01014 In: ACS Sustainable Chemistry & Engineering. Washington: American Chemical Society, 2024, Roč. 12, č. 17, s. 6738-6747 [online]. ISSN

(online) 2168-0485. - WOS CC, s. 6738 - 6747

2024 [01/20] / GBR - Wang, Hongwei - Wang, Boyang - Bai, Jiaxin - Lu, Siyu. **Shiny quantum dots: synthesis, properties, and electroluminescent light-emitting diodes** [elektronický dokument]. DOI 10.1039/d4ta03218g In: Journal of Materials Chemistry A: Materials for Energy and Sustainability. Cambridge: The Royal Society of Chemistry, 2024, Roč. 12, č. 34, s. 22417-22441 [tlačená forma] [online]. ISSN 2050-7488. ISSN (online) 2050-7496. - WOS CC, s. 22417 - 22441

V3_003 / Jaykhedkar, Namrata (Autor) [Interný doktorand] [UKOPRCAM] (25%) - Bystrický, Roman (Autor) [UKOPRCAM] (25%) - Sýkora, Milan (Autor) [UKOPRCAM] (25%) - Bučko, Tomáš (Korešpondenčný autor) [UKOPRCFZ] (25%): **Investigating the role of dispersion corrections and anharmonic effects on the phase transition in SrZrS3: A systematic analysis from AIMD free energy calculations.** – text, graf., obr. – [recenzované]. – DOI 10.1063/5.0185319. – MEDLINE® ; CCC ; WOS CC ; SCO.

In: *Journal of Chemical Physics* [textový dokument (print)] [elektronický dokument] . – Melville (USA) : American Institute of Physics. AIP Publishing. – ISSN 0021-9606. – ISSN (online) 1089-7690. – Roč. 160, č. 1 (2024), art. no. 014710 , s. [1-10] [tlačená forma] [online]

Počet všetkých autorov: 4

[článok]

Lit.: 84

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

Indikátor časopisu:

IF: 3.1 - 2023

SNIP: 1,196 - 2023

SJR: 1,101 - 2023

CiteScore: 7,4 - 2023

AIS: 0.908 - 2023

Kvartil Q:

2023, AIS - Chemistry, physical - Q2; **2023, AIS** - Physics, atomic, molecular & chemical - Q1; **2023, JCI** - Chemistry, physical - Q2; **2023, JCI** - Physics, atomic, molecular & chemical - Q1; **2023, JIF** - Chemistry, physical - Q3; **2023, JIF** - Physics, atomic, molecular & chemical - Q1; **2023, Scimago** - Medicine (miscellaneous) - Q1; **2023, Scimago** - Physical and theoretical chemistry - Q1; **2023, Scimago** - Physics and astronomy (miscellaneous) - Q1

V3_004 / Roy, Mrinmoy (Autor) [UKOPRCAM] (40%) - Sýkora, Milan (Autor) [UKOPRCAM] (40%) - Aslam, M. (Autor) (20%): **Chemical Aspects of Halide Perovskite Nanocrystals.** – text, ilustr., graf. – [recenzované]. – DOI 10.1007/s41061-024-00453-0. – CCC ; WOS CC ; SCO ; SCIE.

In: *Topics in Current Chemistry* [elektronický dokument] . – Cham (Švajčiarsko) : Springer Nature. Springer Science+Business Media. – ISSN 2365-0869. – ISSN (online) 2364-8961. – Roč. 382, č. 1. (2024), art. no. 9 , s. [1-46] [online]

Počet všetkých autorov: 3

[článok]

Lit.: 184

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

Indikátor časopisu:

IF: 7.1 - 2023

SNIP: 1,458 - 2023

SJR: 1,26 - 2023

CiteScore: 13,7 - 2023

AIS: 1.622 - 2023

Kvartil Q:

2023, AIS - Chemistry, multidisciplinary - Q1; **2023, JCI** - Chemistry, multidisciplinary - Q2; **2023, JIF** - Chemistry, multidisciplinary - Q1; **2023, Scimago** - Chemistry (miscellaneous) - Q1

Ohlasy (3):

2025 [01/20] / GBR - Li, Jiaming - Xia, Lunbin - Liu, Yu - Gu, Zhuwei - Liang, Huasong - Wu, Xuteng - Qian, Zixuan - Ji, Sihang - Zhao, Jialong - Yuan, Xi. **Optimizing luminescence performance of alloyed CsPb1-xCdxBr3 perovskite nanocrystals for blue light-emitting diodes** [elektronický dokument]. DOI 10.1016/j.materresbull.2025.113355 In: Materials research bulletin: an international journal reporting research on the synthesis, structure, and properties of materials. Oxford: Elsevier. Pergamon Press, 2025, Roč. 186, art. no. 113355 [tlačená forma] [online]. ISSN 0025-5408. ISSN (online) 1873-4227. - SCO ; CCC ; WOS CC, s. art. no.

2024 [01/20] / USA - Mulder, Jence T. - Monchen, Julius O.V. - Vogel, Yan B. - Lin, Cheng Tai - Drago, Filippo - Caselli, Valentina M. - Saikumar, Niranjana - Savenije, Tom J. - Houtepen, Arjan J. **Orthogonal Electrochemical Stability of Bulk and Surface in Lead Halide Perovskite Thin Films and Nanocrystals** [elektronický dokument]. DOI 10.1021/jacs.4c06340 In: Journal of the American Chemical Society. Washington: American Chemical Society, 2024, Roč. 146, č. 35, s. 24415-24425 [tlačená forma] [CD-ROM] [online]. ISSN 0002-7863. ISSN 1943-2984. ISSN (online) 1520-5126. - SCO ; CCC ; WOS CC, s. 24415 - 24425

2024 [01/20] / GBR - Xiao, Shuhuai - Mei, Xinyi - Zhang, Xiaoliang. **Surface matrix regulation of perovskite quantum dots for efficient solar cells** [elektronický dokument]. DOI 10.1039/d4ee01629g In: Energy and Environmental Science. Cambridge: The Royal Society of Chemistry, 2024, Roč. 17, č. 16, s. 5756-5794 [tlačená forma] [online]. ISSN 1754-5692. ISSN (online) 1754-5706. - SCO ; CCC ; WOS CC, s. 5756 - 5794

V3_005 / Jaykhedkar, Namrata (Korešpondenčný autor) [Interný doktorand] [UKOPRCAM] (25%) - Bystrický, Roman (Autor) [UKOPRCAM] (25%) - Sýkora, Milan (Autor) [UKOPRCAM] (25%) - Bučko, Tomáš (Korešpondenčný autor) [UKOPRCFZ] (25%): **How the Temperature and Composition Govern the Structure and Band Gap of Zr-Based Chalcogenide Perovskites: Insights from ML Accelerated AIMD**. – text, graf., tab., obr. – [recenzované]. – DOI 10.1021/acs.inorgchem.3c01696. – SCO ; SCIE ; CCC ; WOS CC.

In: *Inorganic Chemistry* [textový dokument (print)] [elektronický dokument] . – Washington (USA) : American Chemical Society. – ISSN 0020-1669. – ISSN (online) 1520-510X. – Roč. 62, č. 31 (2023), s. 12480-12492 [tlačená forma] [online]

Počet všetkých autorov: 4

[článok]

Lit.: 66

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

Indikátor časopisu:

IF: 4.3 - 2023

SNIP: 0,894 - 2023

SJR: 0,928 - 2023

CiteScore: 7,6 - 2023

AIS: 0.692 - 2023

Kvartil Q:

2023, AIS - Chemistry, inorganic & nuclear - Q1; **2023, JCI** - Chemistry, inorganic & nuclear - Q1; **2023, JIF** - Chemistry, inorganic & nuclear - Q1; **2023, Scimago** - Chemistry (miscellaneous) - Q1; **2023, Scimago** - Inorganic chemistry - Q1; **2023, Scimago** - Physical and theoretical chemistry - Q1

Ohlasy (6):

2025 [01/20] / USA - Kayastha, Prakriti - Fransson, Erik - Erhart, Paul - Whalley, Lucy. **Octahedral Tilt-Driven Phase Transitions in BaZrS₃ Chalcogenide Perovskite** [elektronický dokument]. DOI 10.1021/acs.jpcc.4c03517 In: The Journal of Physical Chemistry Letters. Washington: American Chemical Society, 2025, Roč. 16, č. 8, s. 2064-2071 [online]. ISSN (online) 1948-7185. - SCO ; CCC ; WOS CC, s. 2064 - 2071

2024 [01/20] / NLD - Abolade, Simeon A. - Akinpelu, Shittu B. - Obada, David O. - Kumar R, Syam - Akande, Akinlolu. **Insights into the band gap anomalies of certain bismuth-based chalcogenides through ab initio calculations of structural and electronic properties** [elektronický dokument]. DOI 10.1016/j.rinp.2024.107891 In: Results in Physics: The new online only, open access journal in Physics. Amsterdam: Elsevier, 2024, Roč. 64, art. no. 107891 [online]. ISSN (online) 2211-3797. - SCO, s. art. no. 107891

2024 [01/20] / USA - Timmerman, Lucas R. - Kumar, Shashikant - Suryanarayana, Phanish - Medford, Andrew J. **Overcoming the Chemical Complexity Bottleneck in on-the-Fly Machine Learned Molecular Dynamics Simulations** [elektronický dokument]. DOI 10.1021/acs.jctc.4c00474 In: Journal of Chemical Theory and Computation. Washington: American Chemical Society, 2024, Roč. 20, č. 14, s. 5788-5795 [tlačená forma] [online]. ISSN 1549-9618. ISSN (online) 1549-9626. - SCO ; CCC ; WOS CC, s. 5788 - 5795

2024 [01/20] / USA - Adhikari, Surajit - Johari, Priya. **Photovoltaic properties of AB Se₃ chalcogenide perovskites (A = Ca, Sr, Ba; B = Zr, Hf)** [elektronický dokument]. DOI 10.1103/PhysRevB.109.174114 In: Physical Review B. College Park: American Institute of Physics. American Physical Society, 2024, Roč. 109, č. 17, art. no. 174114 [tlačená forma] [online]. ISSN 2469-9950. ISSN 1538-4489. ISSN (online) 2469-9969. - SCO, s. art. no. 174114

2024 [01/20] / GBR - Pradhan, Apurva A. - Agarwal, Shubhanshu - Vincent, Kiruba Catherine - Hayes, Daniel C. - Peterson, Jonas M. - Turnley, Jonathan W. - Spilker, Robert M. - Uible, Madeleine C. - Bart, Suzanne C. - Huang, Libai - Kisslinger, Kim - Agrawal, Rakesh. **Emergence of Ruddlesden-Popper phases and other pitfalls for moderate temperature solution deposited chalcogenide perovskites** [elektronický dokument]. DOI 10.1039/d4qm00441h In: Materials chemistry frontiers. Londýn: The Royal Society of Chemistry, 2024, Roč. 8, č. 20, s. 3358-3372 [online]. ISSN (online) 2052-1537. - SCO ; CCC ; WOS CC, s. 3358 - 3372

2024 [01/20] / USA - Jaiswal, Ankit - Sakharov, Konstantin A. - Lekina, Yulia - Kamonsuangkasem, Krongthong - Tomm, Yvonne - Wei, Fengxia - White, Timothy J. **High-Temperature Polymorphism and Band-Gap Evolution in BaZrS₃** [elektronický dokument]. DOI 10.1021/acs.inorgchem.4c03895 In: Inorganic Chemistry. Washington: American Chemical Society, 2024, Roč. 63, č. 51, s. 24157-24166 [tlačená forma] [online]. ISSN 0020-1669. ISSN (online) 1520-510X. - SCO, s. 24157 - 24166

V3_006 / Joniak, Jakub (Autor) (14.29%) - Stankovičová, Henrieta (Autor) [UKOPRCOR] (14.285%) - Budzák, Šimon (Autor) [UMBFP08] (14.285%) - Sýkora, Milan (Autor) [UKOPRCAM] (14.285%) - Gaplovská, Katarína (Autor) [UKOPRBGE] (14.285%) - Filo, Juraj (Autor) [UKOPRCOR] (14.285%) - Cigán, Marek (Korešpondenčný autor) [UKOPRCOR] (14.285%): **Rigidized 3-aminocoumarins as fluorescent probes for strongly acidic environments and rapid yeast vacuolar lumen staining: mechanism and application.** – text, graf., obr. – [recenzované]. – DOI 10.1039/d3cp01090b. – SCO ; SCIE ; CCC ; WOS CC ; MEDLINE® ; PubMed.

In: Physical Chemistry Chemical Physics [textový dokument (print)] [elektronický dokument] . – Londýn (Veľká Británia) : The Royal Society of Chemistry, Cambridge (Veľká Británia) : The Royal Society of Chemistry. – ISSN 1463-9076. – ISSN (online) 1463-9084. – Roč. 25, č. 30 (2023), s. 20212-20217 [tlačená forma] [online]

Počet všetkých autorov: 7

[článok]

Lit.: 51

[OV 120 Chémia, chemická technológia a biotechnológia - OV 130 Vedy o živej prírode]

[ŠO 1420 chémia - ŠO 1536 biológia]

Indikátor časopisu:

IF: 2.9 - 2023

SNIP: 0,803 - 2023

SJR: 0,721 - 2023

CiteScore: 5,5 - 2023

AIS: 0.624 - 2023

Kvartil Q:

2023, AIS - Chemistry, physical - Q2; **2023, AIS** - Physics, atomic, molecular & chemical - Q2; **2023, JCI** - Chemistry, physical - Q2; **2023, JCI** - Physics, atomic, molecular & chemical - Q2; **2023, JIF** - Chemistry, physical - Q3; **2023, JIF** - Physics, atomic, molecular & chemical - Q1; **2023, Scimago** - Physical and theoretical chemistry - Q2; **2023, Scimago** - Physics and astronomy (miscellaneous) - Q2

Ohlasy (2):

2024 [01/20] / GBR - Sarrato, João - Raimundo, Bernardo - Domingues, Luís - Filipe, Sérgio R. - Lima, J. Carlos - Branco, Paula S. **Synthesis of inverse push-pull coumarin dyes and their application as solvatochromic probes and labelling agents for bacterial cell membranes** [elektronický dokument]. DOI 10.1016/j.dyepig.2024.112204 In: Dyes and Pigments: an international journal. Oxford: Elsevier, 2024, Roč. 228, art. no. 112204 [tlačená forma] [online]. ISSN 0143-7208. ISSN (online) 1873-3743. - SCO ; WOS CC ; CCC, s. art. no. 112204

2024 [01/20] / FRA - Saxon, Eron - Ali, Taufeeque - Peng, Xiaohua. **Hydrogen peroxide responsive theranostics for cancer-selective activation of DNA alkylators and real-time fluorescence monitoring in living cells** [elektronický dokument]. DOI 10.1016/j.ejmech.2024.116695 In: European Journal of Medicinal Chemistry. Paríž: Elsevier, 2024, Roč. 276, art. no. 116695 [tlačená forma] [online]. ISSN 0223-5234. ISSN (online) 1768-3254. - SCO ; WOS CC, s. art. no. 116695

V3_007 / Zechel, Filip (Autor) [Interný doktorand] [UKOPRCAM] (30%) - Hutár, Peter (Autor) (10%) - Vretenár, Viliam (Autor) [060700] (20%) - Végső, Karol (Autor) (10%) - Šiffalovič, Peter (Autor) (10%) - Sýkora, Milan (Korešpondenčný autor) [UKOPRCAM] (20%): **Green Colloidal Synthesis of MoS₂ Nanoflakes.** – [recenzované]. – DOI 10.1021/acs.inorgchem.3c02420. – CCC ; WOS CC ; SCO ; SCIE.

In: Inorganic Chemistry [textový dokument (print)] [elektronický dokument] . – Washington (USA) : American Chemical Society. – ISSN 0020-1669. – ISSN (online) 1520-510X. – Roč. 62, č. 40 (2023), s. 16554-16563 [tlačená forma] [online]

Počet všetkých autorov: 6

[článok]

[OV 110 Metalurgické a montážne vedy]
[ŠO 1420 chémia - ŠO 2820 chemické inžinierstvo a technológia]

Indikátor časopisu:

IF: 4.3 - 2023

SNIP: 0,894 - 2023

SJR: 0,928 - 2023

CiteScore: 7,6 - 2023

AIS: 0.692 - 2023

Kvartil Q:

2023, AIS - Chemistry, inorganic & nuclear - Q1; **2023, JCI** - Chemistry, inorganic & nuclear - Q1; **2023, JIF** - Chemistry, inorganic & nuclear - Q1; **2023, Scimago** - Chemistry (miscellaneous) - Q1; **2023, Scimago** - Inorganic chemistry - Q1; **2023, Scimago** - Physical and theoretical chemistry - Q1

Ohlasy (3):

2025 [01/20] / USA - Dey, Gaurav R. - Soliman, Samuel S. - Schaak, Raymond E. **Three Complementary Strategies for Synthesizing Colloidal Nanoparticles of High Entropy Transition Metal Ditellurides** [elektronický dokument]. DOI 10.1021/acs.inorgchem.5c01971 In: Inorganic Chemistry. Washington: American Chemical Society, 2025, Roč. 64, č. 26, s. 13446-13455 [tlačená forma] [online]. ISSN 0020-1669. ISSN (online) 1520-510X. - SCO ; CCC ; WOS CC, s. 13446 - 13455

2025 [01/20] / USA - Ghasemifard, Alireza - Kuc, Agnieszka B. - Heine, Thomas. **Computational Guide to Optimize Electric Conductance in MoS₂ Films** [elektronický dokument]. DOI 10.1021/acsami.5c05099 In: ACS Applied Materials & Interfaces. Washington: American Chemical Society, 2025, Roč. 17, č. 27, s. 39595-39604 [tlačená forma] [online]. ISSN 1944-8244. ISSN (online) 1944-8252. - SCO ; CCC ; WOS CC, s. 39595 - 39604

2024 [01/20] / USA - Dai, Yongping - He, Qiyuan - Huang, Yu - Duan, Xiangfeng - Lin, Zhaoyang. **Solution-Processable and Printable Two-Dimensional Transition Metal Dichalcogenide Inks** [elektronický dokument]. DOI 10.1021/acs.chemrev.3c00791 In: Chemical Reviews. Washington: American Chemical Society, 2024, Roč. 124, č. 9, s. 5795-5845 [tlačená forma] [online]. ISSN 0009-2665. ISSN (online) 1520-6890. - WOS CC, s. 5795 - 5845

V3_008 / Bystrický, Roman (Autor) [UKOPRCAM] (25%) - Tiwari, Sameer Kumar (Autor) [Interný doktorand] [UKOPRCAM] (20%) - Hutár, Peter (Autor) (20%) - Vančo, Ľubomír (Autor) [060700] (10%) - Sýkora, Milan (Autor) [UKOPRCAM] (25%): **Synthesis of Sulfide Perovskites by Sulfurization with Boron Sulfides**. – text, ilustr., graf. – [recenzované]. – DOI 10.1021/acs.inorgchem.2c03200. – SCO ; CCC ; WOS CC.

In: Inorganic Chemistry [textový dokument (print)] [elektronický dokument] . – Washington (USA) : American Chemical Society. – ISSN 0020-1669. – ISSN (online) 1520-510X. – Roč. 61, č. 47 (2022), s. 18823-18827 [tlačená forma] [online]

Počet všetkých autorov: 5

[článok]

Lit.: 34

[OV 120 Chémia, chemická technológia a biotechnológia - OV 110 Metalurgické a montážne vedy]

[ŠO 1420 chémia]

Indikátor časopisu:

IF: 4.6 - 2022

SNIP: 0,986 - 2022

SJR: 0,997 - 2022

CiteScore: 8 - 2022

AIS: 0.750 - 2022

Kvartil Q:

2022, AIS - Chemistry, inorganic & nuclear - Q1; **2022, JCI** - Chemistry, inorganic & nuclear - Q1; **2022, JIF** - Chemistry, inorganic & nuclear - Q1; **2022, Scimago** - Chemistry (miscellaneous) - Q1; **2022, Scimago** - Inorganic chemistry - Q1; **2022, Scimago** - Physical and theoretical chemistry - Q1

Ohlasy (13):

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2024 [01/20] / DEU - Agarwal, Shubhanshu - Vincent, Kiruba Catherine - Turnley, Jonathan W. - Hayes, Daniel C. - Uible, Madeleine C. - Durán, Inés - Canizales, Alison Sofia Mesa - Khandelwal, Shriya - Panicker, Isabel - Andoh, Zion - Spilker, Robert M. - Ma, Qiushi - Huang, Libai - Hwang, Sooyeon - Kisslinger, Kim - Svatek, Simon - Antolin, Elisa - Bart, Suzanne C. - Agrawal, Rakesh. **Breaking Barriers in Chalcogenide Perovskite Synthesis: A Generalized Framework for Fabrication of BaMS₃ (M=Ti, Zr, Hf) Materials** [elektronický dokument]. DOI 10.1002/adfm.202405416 In: Advanced Functional Materials. Weinheim: John Wiley & Sons. Wiley-VCH, 2024, Roč. 34, č. 46, [tlačená forma] [online]. ISSN 1616-301X. ISSN (online) 1616-3028. - SCO

2024 [01/20] / CHE - Freund, Tim - Jamshaid, Sumbal - Monavvar, Milad - Wellmann, Peter. **Synthesis of BaZrS₃ and BaS₃ Thin Films: High and Low Temperature Approaches** [elektronický dokument]. DOI 10.3390/cryst14030267 In: Crystals. Bazilej: Multidisciplinary Digital Publishing Institute, 2024, Roč. 14, č. 3, [online]. ISSN (online) 2073-4352. - SCO

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V3_009 / Jaykhedkar, Namrata (Autor) [Interný doktorand] [UKOPRCAM] (25%) - Bystrický, Roman (Autor) [UKOPRCAM] (25%) - Sýkora, Milan (Autor) [UKOPRCAM] (25%) - Bučko, Tomáš (Autor) [UKOPRCFZ] (25%): **Understanding the structure-band gap relationship in SrZrS₃ at elevated temperatures: a detailed NPT MD study.** – text, ilustr., graf., tab. – [recenzované]. – DOI 10.1039/d2tc02253b. – CCC ; SCO ; WOS CC ; SCIE ; OA.

In: *Journal of Materials Chemistry C* [textový dokument (print)] [elektronický dokument] : Materials for Optical, Magnetic and Electronic Devices. – Londýn (Veľká Británia) : The Royal Society of Chemistry. – ISSN 2050-7526. – ISSN (online) 2050-7534. – Roč. 10, č. 33 (2022), s. 12032-12042 [tlačená forma] [online]

Počet všetkých autorov: 4

[článok]

Lit.: 68

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

Indikátor časopisu:

IF: 6.4 - 2022

SNIP: 1,229 - 2022

SJR: 1,534 - 2022

CiteScore: 11,8 - 2022

AIS: 1.166 - 2022

Kvartil Q:

2022, AIS - Materials science, multidisciplinary - Q2; **2022, AIS** - Physics, applied - Q1; **2022, JCI** - Materials science, multidisciplinary - Q1; **2022, JCI** - Physics, applied - Q1; **2022, JIF** - Materials science, multidisciplinary - Q1; **2022, JIF** - Physics, applied - Q1; **2022, Scimago** - Chemistry (miscellaneous) - Q1; **2022, Scimago** - Materials chemistry - Q1

Ohlasy (3):

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2023 [01/20] / USA - Koocher, Nathan Z. - Rondinelli, James M. **Effect of Octahedral Connectivity on the Negative Thermal Expansion of SrZrS₃** [elektronický dokument]. DOI 10.1021/acs.inorgchem.3c01232 In: Inorganic Chemistry. Washington: American Chemical Society, 2023, Roč. 62, č. 28, s. 11134-11141 [tlačená forma] [online]. ISSN 0020-1669. ISSN (online) 1520-510X. - SCO ; CCC ; WOS CC, s. 11134 - 11141

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V3_010 / Mini Rajendran, Gokul Raj (Autor) [UKOPRCAM] (30%) - Tisovský, Pavol (Autor) (30%) - Pašteka, Lukáš Félix (Autor) [UKOPRCFZ] (10%) - Sýkora, Milan (Autor) [UKOPRCAM] (30%): **Effect of charging on electronic structure and plasmonic properties of derivatized anthracenes.** – text, graf. – [recenzované].

In: *Nanophotonics and Micro/Nano Optics International Conference* [elektronický dokument] . – Montrouge (Francúzsko) : Professional Conference Organizer. – ISSN (online) 2678-2987. – 2022, s. 72-73 [online] Nanophotonics and Micro/Nano Optics International Conference 2022, 5 [Paríž, Francúzsko, 25.10.2022-27.10.2022]

Počet všetkých autorov: 4

[abstrakt z podujatia - ČL]

Lit.: 3

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

V3_011 / Galland, Christophe (Autor) (15%) - Ghosh, Yagnasen (Autor) (10%) - Steinbrueck, Andrea (Autor) (10%) - Sýkora, Milan (Autor) (35%) - Hollingsworth, Jennifer (Autor) (10%) - Klimov, Victor (Autor) (10%) - Htoon, Han (Autor) (10%): **Two types of luminescence blinking revealed by spectroelectrochemistry of single quantum dots.** – text. – [recenzované]. – DOI 10.1038/nature10569. – CCC ; WOS CC ; SCIE ; SCO.

In: *Nature* [textový dokument (print)] [elektronický dokument] . – London (Veľká Británia) : Springer Nature. Nature Publishing Group. – ISSN 0028-0836. – ISSN (online) 1476-4687. – Roč. 479, č. 7372 (2011), s. 203-207 [tlačaná forma] [online]

Počet všetkých autorov: 7

[článok]

Lit.: 34

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

Indikátor časopisu:

SNIP: 8,652 - 2011

SJR: 17,598 - 2011

CiteScore: 53,1 - 2011

Ohlasy (276):

2025 [01/20] / DEU - Jin, Lei - Selopal, Gurpreet Singh - Sun, Xiao Wei - Rosei, Federico. **Core-Shell Colloidal Quantum Dots for Energy Conversion** [elektronický dokument]. DOI 10.1002/aenm.202403574 In: *Advanced Energy Materials*. Weinheim: John Wiley & Sons. Wiley-VCH, 2025, Roč. 15, č. 1, art. no. 2403574 [tlačaná forma] [online]. ISSN 1614-6832. ISSN (online) 1614-6840. - SCO

2025 [01/20] / USA - Schaumburg, F. - Plitt, D. - Wagner, T. - Wöhrle, N. - Geller, M. - Prinz, G. - Lorke, A. **Plasma-induced optically active defects in hexagonal boron nitride** [elektronický dokument]. DOI 10.1063/5.0253028 In: *Applied Physics Letters*. Melville: American Institute of Physics. AIP Publishing, 2025, Roč. 126, č. 4, art. no. 043103 [tlačaná forma] [online]. ISSN 0003-6951. ISSN (online) 1077-3118. - SCO ; CCC, s. art. no. 043103

2025 [01/20] / GBR - Anusha, A. - Yadav, Anjali - Vishnoi, Pratap - Sharma, Dharmendar Kumar. **Mixed metal halide perovskite CsPb1-xSnxBR3 quantum dots: insight into photophysics from photoblinking studies** [elektronický dokument]. DOI 10.1039/d4nr04879b In: *Nanoscale*. Cambridge: The Royal Society of Chemistry, 2025, Roč. 17, č. 9, s. 5150-5160 [tlačaná forma] [online]. ISSN 2040-3364. ISSN (online) 2040-3372. - SCO ; CCC ; WOS CC, s. 5150 - 5160

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2025 [01/20] / DEU - Panda, Mrinal Kanti - Acharjee, Debopam - Mahato, Asit Baran - Ghosh, Subhadip. **Hot Carrier Trapping in Light-Soaked Mixed Phase CsPbI3 Perovskite Nanocrystals.** DOI 10.1002/adom.202402899 In: *Advanced Optical Materials*. Weinheim: John Wiley & Sons, 2025, Roč. 13, č. 10, art. no. 2402899 [online]. ISSN 2195-1071. - SCO ; CCC ; WOS CC

2025 [01/20] / USA - Gao, Jialiang - Guo, Yangyang - Zhang, Xiuhai - Liu, Lu - Li, Huixin - Cheng, Zeyi - Liu, Peng - Dong, Fan - Wu, Jiandong - Liu, Taihong - Sun, Huaming - Zhang, Miao - Aubin, Hervé - Wang, Hongyue - Wang, Hongqiang. **Phonon Involved Photoluminescence of Mn2+ Ions Doped CsPbCl3 Micro-Size Perovskite Assembled Crystals** [elektronický dokument]. DOI 10.1002/advs.202413402 In: *Advanced Science*. Hoboken: John Wiley & Sons. Wiley-Blackwell, 2025, Roč. 12, č. 11, art. no. 2413402 [online]. ISSN (online) 2198-3844. - SCO ; CCC ; WOS CC

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2025 [01/20] / DEU - Fratelli, Andrea - Zaffalon, Matteo L. - Mazzola, Emanuele - Dirin, Dmitry N. - Cherniukh, Ihor - Otero-Martínez, Clara - Salomoni, Matteo - Carulli, Francesco - Rossi, Francesca - Meinardi, Francesco - Gironi, Luca - Manna, Liberato - Kovalenko, Maksym V. - Brovelli, Sergio. **Size-Dependent Multiexciton Dynamics Governs Scintillation From Perovskite Quantum Dots** [elektronický dokument]. DOI 10.1002/adma.202413182 In: Advanced Materials. Weinheim: John Wiley & Sons. Wiley-VCH, 2025, Roč. 37, č. 5, art. no. 2413182 [tlačená forma] [online]. ISSN 0935-9648. ISSN (online) 1521-4095. - SCO ; CCC ; WOS CC

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2024 [01/20] / CHN - Shuai, Zhigang - Wang, Linjun - Yi, Yuanping - Peng, Qian - Shen, Xiangjian. **Essential challenges and new opportunities in the investigation of excited state structure and dynamics for complex systems** [elektronický dokument]. DOI 10.1360/SSC-2024-0058 In: Scientia Sinica Chimica. [s.l.]: Science China Press, 2024, Roč. 54, č. 12, s. 2348-2360 [tlačená forma] [online]. ISSN 1674-7224. ISSN (online) 2095-9435. - SCO, s. 2348 - 2360

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V3_012 / Roy, Mrinmoy (Autor) [UKOPRCAM] (40%) - Rezaie Ahari, Ehsan (Autor) [Interný doktorand] [UKOPRCAG] (10%) - Nagy, Štefan (Autor) (10%) - Sýkora, Milan (Korešpondenčný autor) [UKOPRCAM] (40%): Effect of Nanocrystal Shape on Charge Injection and Transport in CdSe Nanocrystalline Films. – text, graf. – [recenzované]. – DOI 10.1021/acs.inorgchem.5c01308. – CCC ; WOS CC ; SCO ; SCIE.
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Počet všetkých autorov: 4

[článok]

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[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

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Kvartil Q:

2023, AIS - Chemistry, inorganic & nuclear - Q1; **2023, JCI** - Chemistry, inorganic & nuclear - Q1; **2023, JIF** - Chemistry, inorganic & nuclear - Q1; **2023, Scimago** - Chemistry (miscellaneous) - Q1; **2023, Scimago** - Inorganic chemistry - Q1; **2023, Scimago** - Physical and theoretical chemistry - Q1

O2 Odborný výstup publikačnej činnosti ako časť knižnej publikácie alebo zborníka

Počet výstupov: 3

O2_001 / Jaykhedkar, Namrata (Autor) [Interný doktorand] [UKOPRCAM] (33.334%) - Sýkora, Milan (Autor) [UKOPRCAM] (33.333%) - Bučko, Tomáš (Autor) [UKOPRCFZ] (33.333%): Assessing the effects of dispersion corrections on the temperature dependent structural properties of SrZrS3 phases. – text.

In: 17th International Congress of Quantum Chemistry [elektronický dokument] : book of abstracts / [bez zostavovateľa] [Zostavovateľ, editor]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2023. – ISBN 978-80-973578-8-7, s. 267-267 [online]

International Congress of Quantum Chemistry, 17 [Bratislava, Slovensko, 26.06.2023-01.07.2023]

Počet všetkých autorov: 3
[abstrakt z podujatia - KP]
Lit.: 4
[OV 120 Chémia, chemická technológia a biotechnológia]
[ŠO 1420 chémia]

O2_002 / Jaykhedkar, Namrata (Autor) [Interný doktorand] [UKOPRCAM] (33.334%) - Sýkora, Milan (Autor) [UKOPRCAM] (33.333%) - Bučko, Tomáš (Autor) [UKOPRCFZ] (33.333%): **Effects of dispersion corrections on the temperature dependent structural properties of SrZrS₃ phases.**
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Počet všetkých autorov: 3
[abstrakt z podujatia - KP]
[OV 120 Chémia, chemická technológia a biotechnológia]
[ŠO 1420 chémia]

O2_003 / Sýkora, Milan (Korešpondenčný autor) [UKOPRCAM] (100%): **Laboratory for Advanced Materials at Comenius University (ERA Chairs project).** – text, obr.
In: *The 6th International Conference on Nanomaterials: Fundamentals and Applications* [elektronický dokument] : book of abstracts / Shepa, Jana [Zostavovateľ, editor] ; Múdra, Erika [Recenzent] ; Shepa, Ivan [Recenzent]. – 1. vyd. – Košice (Slovensko) : Univerzita Pavla Jozefa Šafárika v Košiciach, 2022. – ISBN (online) 978-80-574-0127-8, s. 131-132 [online]
International Conference on Nanomaterials: Fundamentals and Applications, 6 [Štrbské Pleso, Slovensko, 16.10.2022-19.10.2022]
Počet všetkých autorov: 1
[abstrakt z podujatia - KP]
Lit.: 1
[OV 120 Chémia, chemická technológia a biotechnológia]
[ŠO 1420 chémia]

P1 Pedagogický výstup publikačnej činnosti ako celok **Počet výstupov: 1**

P1_001 / Sýkora, Milan (Autor) [UKOPRCAM] (100%) - Jesenák, Karol (Recenzent) - Vretenár, Viliam (Recenzent) : **Introduction to inorganic nanocrystals** [textový dokument (print)] : Solution preparation methods. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2025. – 66 s. [7,05 AH] [tlačená forma] : text, ilustr., fotogr., graf. – ISBN 978-80-223-6030-2
Počet všetkých autorov: 1
[učebnica pre vysoké školy]
Lit.: 169
[OV 120 Chémia, chemická technológia a biotechnológia]
[ŠO 1420 chémia]

D1 Dokument práv duševného vlastníctva **Počet výstupov: 2**

D1_001 / Univerzita Komenského v Bratislave. Fakulta matematiky, fyziky a informatiky UK [Prihlasovateľ] ; Sýkora, Milan (Autor) [UKOPRCAM] (50%) - Bystrický, Roman (Autor) [UKOPRCAM] (50%): **Method of Preparation of Ternary Chalcogenide Perovskites, Ternary Chalcogenide Perovskites and their use** = WO2024100588. – Ženeva (Švajčiarsko) : World Intellectual Property Organization, 16.05.2024. – 33 s. : text, ilustr., graf., tab.
Počet všetkých autorov: 2
[patent]
[OV 120 Chémia, chemická technológia a biotechnológia]
[ŠO 1420 chémia]

D1_002 / Univerzita Komenského v Bratislave [Prihlasovateľ] ; Sýkora, Milan (Autor) [UKOPRCAM] (50%) - Haque, Anamul (Autor) (50%): **Nanotyčinky majúce CdSe jadro a ZnO obal a spôsob ich prípravy** = SK 27-2023. – Banská Bystrica (Slovensko) : Úrad priemyselného vlastníctva Slovenskej republiky, 09.10.2024. – 10 s. :

text, ilustr., tab.

Počet všetkých autorov: 2

[patent]

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

I2 Iný výstup publikačnej činnosti ako časť publikácie alebo zborníka

Počet výstupov: 3

I2_001 / Jaykhedkar, Namrata (Autor) [Interný doktorand] [UKOPRCAM] (25%) - Bystrický, Roman (Autor) [UKOPRCAM] (25%) - Sýkora, Milan (Autor) [UKOPRCAM] (25%) - Bučko, Tomáš (Autor) [UKOPRCFZ] (25%): **Temperature dependent structural and electronic properties of SrZrS₃: A detailed NPT MD study.** – text.

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Počet všetkých autorov: 4

[abstrakt z podujatia - KP]

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

I2_002 / Sýkora, Milan (Autor) [UKOPRCAM] (50%) - Ji, Zhiqiang (Autor) (10%) - Dervishi, Enkeleda (Autor) (10%) - Doorn, Stephen K. (Autor) (10%) - Demovičová, Lucia (Autor) (10%) - Pitoňák, Michal (Autor) [UKOPRCFZ] (10%): **Size-dependent Electronic Properties of Strongly Confined Graphene Quantum Dots.** – text, obr.

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Počet všetkých autorov: 6

[abstrakt z podujatia - KP]

Lit.: 4

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

I2_003 / Sýkora, Milan (Autor) [UKOPRCAM] (50%) - Ji, Zhiqiang (Autor) (10%) - Dervishi, Enkeleda (Autor) (10%) - Doorn, Stephen K. (Autor) (10%) - Demovičová, Lucia (Autor) (10%) - Pitoňák, Michal (Autor) [UKOPRCFZ] (10%): **Size-dependent Electronic Properties of Strongly Confined Graphene Quantum Dots.** – text, obr.

In: *Graphene 2021* [elektronický dokument] : 11th edition of the largest European Conference and Exhibition in Graphene and 2d Materials : [abstracts] / [bez zostavovateľa] [Zostavovateľ, editor]. – 1. vyd. – Madrid (Španielsko) : Phantoms Foundation, 2021, s. [1-1] [online]

Graphene 2021, 11 [Grenoble, Francúzsko, 26.10.2021-29.10.2021]

Počet všetkých autorov: 6

[abstrakt z podujatia - KP]

Lit.: 4

[OV 120 Chémia, chemická technológia a biotechnológia]

[ŠO 1420 chémia]

ADC Vedecké práce v zahraničných karentovaných časopisoch

Počet výstupov: 50

ADC_001 / Krishnamurthy, Sachidananda (Autor) (6.674%) - Singh, Ajay (Autor) (6.666%) - Hu, Zhongjian (Autor) (6.666%) - Blake, Anastasia V. (Autor) (6.666%) - Kim, Younghee (Autor) (6.666%) - Singh, Anita (Autor) (6.666%) - Dolgoplova, Ekaterina A. (Autor) (6.666%) - Williams, Darrik J. (Autor) (6.666%) - Piryatinski, Andrei (Autor) (6.666%) - Malko, Anton V. (Autor) (6.666%) - Htoon, Han (Autor) (6.666%) - Sýkora, Milan (Autor) [UKOPRCAM] (20%) - Hollingsworth, Jennifer (Autor) (6.666%): **PbS/CdS Quantum Dot Room-Temperature Single-Emitter Spectroscopy Reaches the Telecom O and S Bands via an Engineered Stability.** – text, ilustr., graf. – [recenzované]. – DOI 10.1021/acsnano.0c05907. – SCO ; CCC ; WOS CC ; SCIE.

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Počet všetkých autorov: 13

[článok]

Lit.: 54

[OV 120 Chémia, chemická technológia a biotechnológia]

Indikátor časopisu:

IF: 18.027 - 2021

SNIP: 2,479 - 2021

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CiteScore: 24,3 - 2021

AIS: 3.560 - 2021

Kvartil Q:

2021, AIS - Chemistry, multidisciplinary - Q1; **2021, AIS** - Chemistry, physical - Q1; **2021, AIS** - Materials science, multidisciplinary - Q1; **2021, AIS** - Nanoscience & nanotechnology - Q1; **2021, JIF** - Chemistry, multidisciplinary - Q1; **2021, JIF** - Chemistry, physical - Q1; **2021, JIF** - Materials science, multidisciplinary - Q1; **2021, JIF** - Nanoscience & nanotechnology - Q1; **2021, Scimago** - Engineering (miscellaneous) - Q1; **2021, Scimago** - Materials science (miscellaneous) - Q1; **2021, Scimago** - Nanoscience and nanotechnology - Q1; **2021, Scimago** - Physics and astronomy (miscellaneous) - Q1

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ADC_002 / Dennis, Allison M. (Autor) (9.1%) - Buck, Matthew R. (Autor) (9.09%) - Wang, Feng (Autor) (9.09%) - Hartmann, Nicolai F. (Autor) (9.09%) - Majumder, Somak (Autor) (9.09%) - Casson, Joanna L. (Autor) (9.09%) - Watt, John D. (Autor) (9.09%) - Doorn, Stephen K. (Autor) (9.09%) - Htoon, Han (Autor) (9.09%) - Sýkora, Milan (Autor) [UKOPRCAM] (9.09%) - Hollingsworth, Jennifer (Autor) (9.09%): **Role of Interface Chemistry in Opening New Radiative Pathways in InP/CdSe Giant Quantum Dots with Blinking- Suppressed Two-Color Emission**. – text, graf., obr. – [recenzované]. – DOI 10.1002/adfm.201809111. – SCO ; WOS CC ; SCIE ; CCC.

In: *Advanced Functional Materials* [textový dokument (print)] [elektronický dokument] . – Weinheim (Nemecko) : John Wiley & Sons. Wiley-VCH. – ISSN 1616-301X. – ISSN (online) 1616-3028. – Roč. 29, č. 37 (2019), art. no. 9111, s. [1-10] [tlačená forma] [online]

Počet všetkých autorov: 11

[článok]

Lit.: 50

[OV 120 Chémia, chemická technológia a biotechnológia]

Indikátor časopisu:

IF: 16.836 - 2019

SNIP: 2,45 - 2019

SJR: 5,875 - 2019

CiteScore: 22 - 2019

Kvartil Q:

2019, JIF - Chemistry, multidisciplinary - Q1; **2019, JIF** - Chemistry, physical - Q1; **2019, JIF** - Materials science, multidisciplinary - Q1; **2019, JIF** - Nanoscience & nanotechnology - Q1; **2019, JIF** - Physics, applied - Q1; **2019, JIF** - Physics, condensed matter - Q1; **2019, Scimago** - Biomaterials - Q1; **2019, Scimago** - Chemistry (miscellaneous) - Q1; **2019, Scimago** - Condensed matter physics - Q1; **2019, Scimago** - Electrochemistry - Q1; **2019, Scimago** - Electronic, optical and magnetic materials - Q1; **2019, Scimago** - Materials science (miscellaneous) - Q1; **2019, Scimago** - Nanoscience and nanotechnology - Q1

Ohlasy (14):

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ADC_006 / Wang, Jamie C. (Autor) (25%) - Ogunsolu, Omotola O. (Autor) (25%) - Sýkora, Milan (Autor) [UKOPRCAM] (25%) - Hanson, Kenneth (Autor) (25%): Elucidating the Role of the Metal Linking Ion on the Excited State Dynamics of Self-Assembled Bilayers. – CCC ; WOS CC ; SCO.

In: *The Journal of Physical Chemistry C* [textový dokument (print)] [elektronický dokument] : Energy Conversion and Storage, Optical and Electronic Devices, Interfaces, Nanomaterials, and Hard Matter. – Washington (USA) : American Chemical Society. – ISSN 1932-7447. – ISSN (online) 1932-7455. – Roč. 122, č. 18 (2018), s. 9835-9842 [tlačená forma] [online]

Počet všetkých autorov: 4

[článok]

Lit.: 51

[OV 120 Chémia, chemická technológia a biotechnológia]

Indikátor časopisu:

IF: 4,309 - 2018

SNIP: 1,096 - 2018

SJR: 1,652 - 2018

CiteScore: 7,6 - 2018

Kvartil Q:

2018, JIF - Chemistry, physical - Q2; **2018, JIF** - Materials science, multidisciplinary - Q1; **2018, JIF** - Nanoscience & nanotechnology - Q2; **2018, Scimago** - Electronic, optical and magnetic materials - Q1; **2018, Scimago** - Energy (miscellaneous) - Q1; **2018, Scimago** - Nanoscience and nanotechnology - Q1; **2018, Scimago** - Physical and theoretical chemistry - Q1; **2018, Scimago** - Surfaces, coatings and films - Q1

Ohlasy (6):

2022 [01/20] / USA - Yoshimura, N. - Yoshida, M. - Kato, M. - Kobayashi, A. **Photocatalyst-Mediator Interface Modification by Surface-Metal Cations of a Dye-Sensitized H₂Evolution Photocatalyst** [elektronický dokument] In: Inorganic Chemistry. Washington: American Chemical Society, 2022, Roč. 61, č. 29, [tlačená forma] [online]. ISSN 0020-1669. ISSN (online) 1520-510X. - SCO, s. 11095 - 11102

2022 [01/20] / USA - Marcon, R.O. - Bonvent, J.-J. - Brochsztain, S. **Radical Anions and Dianions of Naphthalenediimides Generated within Layer-by-Layer Zirconium Phosphonate Thin Films** [elektronický dokument] In: Langmuir: the ACS Journal of Surfaces and Colloids. Washington: American Chemical Society, 2022, Roč. 38, č. 6, [tlačená forma] [online]. ISSN 0743-7463. ISSN (online) 1520-5827. - SCO, s. 2153 - 2161

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2021 [01/20] / USA - Tosco, B. - Melo, B.P.-A.V. - Hermida Merino, D. - Rey, J.F.Q. - Brochsztain, S. **Layer-by-Layer Naphthalenediimide/Zn Phosphonate Hybrid Films Grown from Aqueous Solutions by a Simple Deposition Technique** [elektronický dokument] In: Langmuir: the ACS Journal of Surfaces and Colloids. Washington: American Chemical Society, 2021, Roč. 37, č. 7, [tlačená forma] [online]. ISSN 0743-7463. ISSN (online) 1520-5827. - SCO, s. 2494 - 2502

2020 [01/12] / GBR - Bentounsi, Y. - Seintis, K. - Ameline, D. - Diring, S. - Provost, D. - Blart, E. - Pellegrin, Y. - Cossement, D. - Vauthey, E. - Odobel, F. **Chemistry on the electrodes: post-functionalization and stability enhancement of anchored dyes on mesoporous metal oxide photoelectrochemical cells with copper-free Huisgen cycloaddition reaction** [elektronický dokument] In: Journal of Materials Chemistry A: Materials for Energy and Sustainability. Cambridge: The Royal Society of Chemistry, 2020, Roč. 8, č. 25, [tlačená forma] [online]. ISSN 2050-7488. ISSN (online) 2050-7496. - SCO, s. 12633 - 12640

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ADC_007 / Dilbeck, Tristan (Autor) (16%) - Wang, Jamie C. (Autor) (16%) - Zhou, Yan (Autor) (16%) - Olsson, Andrew (Autor) (16%) - Sýkora, Milan (Autor) (20%) - Hanson, Kenneth (Autor) (16%): **Elucidating the Energy- and Electron-Transfer Dynamics of Photon Upconversion in Self-Assembled Bilayers.** – text. – CCC ; WOS CC ; SCO ; SCIE.

In: *The Journal of Physical Chemistry C* [textový dokument (print)] [elektronický dokument] : Energy Conversion and Storage, Optical and Electronic Devices, Interfaces, Nanomaterials, and Hard Matter. – Washington (USA) : American Chemical Society. – ISSN 1932-7447. – ISSN (online) 1932-7455. – Roč. 121, č. 36 (2017), s. 19690-19698 [tlačená forma] [online]

Počet všetkých autorov: 6

[článok]

Lit.: 57

[OV 120 Chémia, chemická technológia a biotechnológia]

Indikátor časopisu:

IF: 4.484 - 2017

SNIP: 1,133 - 2017

SJR: 2,135 - 2017

CiteScore: 7,9 - 2017

Kvartil Q:

2017, JIF - Chemistry, physical - Q2; **2017, JIF** - Materials science, multidisciplinary - Q1; **2017, JIF** - Nanoscience & nanotechnology - Q2; **2017, Scimago** - Nanoscience and nanotechnology - Q1; **2017, Scimago** - Physical and theoretical chemistry - Q1

Ohlasy (16):

2024 [01/20] / DEU - Jiang, Lin Han - Zeng, Le - Zhang, Ming Yu - Huang, Ling - Pang, Dai Wen. **Highly Effective Near-Infrared Light-Activatable Triplet Fusion Upconversion with BODIPY Annihilators: Triplet Modulation via Non-Conjugated $n-\pi$ Spatial Electron Coupling.** DOI 10.1002/adom.202301879 In: Advanced Optical Materials. Weinheim: John Wiley & Sons, 2024, Roč. 12, č. 1, art. no. 2301879 [online]. ISSN 2195-1071. - SCO ; WOS CC

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2021 [01/20] / USA - Lin, Y.L. - Blackburn, J.L. - Beard, M.C. - Johnson, J.C. **Interlayer Triplet-Sensitized Luminescence in Layered Two-Dimensional Hybrid Metal-Halide Perovskites** [elektronický dokument] In: ACS Energy Letters. Washington: American Chemical Society, 2021, Roč. 6, č. 11, [online]. ISSN (online) 2380-8195. - SCO, s. 4079 - 4096

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2018 [01/20] / GBR - Gholizadeh, Elham M. - Frazer, Laszlo - MacQueen, Rowan W. - Gallaher, Joseph K. - Schmidt, Timothy W. **Photochemical upconversion is suppressed by high concentrations of molecular sensitizers** [elektronický dokument]. DOI 10.1039/c8cp02650e In: Physical Chemistry Chemical Physics. Londýn: The Royal Society of Chemistry, 2018, Roč. 20, č. 29, s. 19500-19506 [tlačená forma] [online]. ISSN 1463-9076. ISSN (online) 1463-9084. - SCO ; CCC ; WOS CC, s. 19500 - 19506

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ADC_008 / Hanson, Christina J. (Autor) (6.674%) - Hartmann, Nicolai F. (Autor) (6.666%) - Singh, Ajay (Autor) (6.666%) - Ma, Xuedan (Autor) (6.666%) - DeBenedetti, William J. I. (Autor) (6.666%) - Casson, Joanna L. (Autor) (6.666%) - Grey, John K. (Autor) (6.666%) - Chabal, Yves J. (Autor) (6.666%) - Malko, Anton V. (Autor) (6.666%) - Sýkora, Milan (Autor) (20%) - Piryatinski, Andrei (Autor) (6.666%) - Htoon, Han (Autor) (6.666%) - Hollingsworth, Jennifer A. (Autor) (6.666%): **Giant PbSe/CdSe/CdSe Quantum Dots: Crystal-Structure-Defined Ultrastable Near-Infrared Photoluminescence from Single Nanocrystals.** – text. – CCC ; WOS CC ; SCO ; SCIE.

In: *Journal of the American Chemical Society* [textový dokument (print)] [elektronický dokument] . – Washington (USA) : American Chemical Society. – ISSN 0002-7863. – ISSN 1943-2984. – ISSN (online) 1520-5126. – Roč. 139, č. 32 (2017), s. 11081-11088 [tlačená forma] [CD-ROM] [online]

Počet všech autorů: 13

[článok]

Lit.: 49

[OV 120 Chémia, chemická technológia a biotechnológia]

Indikátor časopisu:

IF: 14.357 - 2017

SNIP: 2,634 - 2017

SJR: 8,127 - 2017

CiteScore: 24 - 2017

Ohlasy (49):

2025 [01/20] / DEU - Jin, Lei - Selopal, Gurpreet Singh - Sun, Xiao Wei - Rosei, Federico. Core-Shell Colloidal Quantum Dots for Energy Conversion [elektronický dokument]. DOI 10.1002/aenm.202403574 In: *Advanced Energy Materials*. Weinheim: John Wiley & Sons. Wiley-VCH, 2025, Roč. 15, č. 1, art. no. 2403574 [tlačená forma] [online]. ISSN 1614-6832. ISSN (online) 1614-6840. - SCO

2024 [01/20] / AUT - Chen, Yu - Li, Ruiwen - Shen, Hao - Li, Nana - Gao, Wenjing - Guo, Haipeng - Feng, Bin - Yu, Shaoning. Highly sensitive and rapid detection of *Vibrio parahaemolyticus* using a dual-recognition platform based on functionalized quantum dots and aptamer [elektronický dokument]. DOI 10.1007/s00604-024-06821-3 In: *Microchimica Acta: an international journal on micro and trace analysis*. Viedeň: Springer Nature, 2024, Roč. 191, č. 12, art. no. 732 [tlačená forma] [online]. ISSN 0026-3672. ISSN (online) 1436-5073. - SCO ; CCC ; WOS CC, s. art. no. 732

2024 [01/20] / DEU - Pan, Jia Lin - Yu, Yan Jun - Wang, Ya Kun - Liao, Liang Sheng. Lanthanide Ion-Doped Perovskite Nanocrystals in Electroluminescent Device [elektronický dokument]. DOI 10.1002/adfm.202401327 In: *Advanced Functional Materials*. Weinheim: John Wiley & Sons. Wiley-VCH, 2024, Roč. 34, č. 36, art. no. 2401327 [tlačená forma] [online]. ISSN 1616-301X. ISSN (online) 1616-3028. - SCO ; CCC ; WOS CC

2024 [01/20] / DEU - Zhang, Hui - Liu, Jiabin - Besteiro, Lucas V. - Selopal, Gurpreet S. - Zhao, Zhenhuan - Sun, Shuhui - Rosei, Federico. Advanced Interface Engineering in Gradient Core/Shell Quantum Dots Enables Efficient Photoelectrochemical Hydrogen Evolution [elektronický dokument]. DOI 10.1002/sml.202306203 In: *Small*. Weinheim: John Wiley & Sons, 2024, Roč. 20, č. 22, art. no. 2306203 [tlačená forma] [online]. ISSN 1613-6810. ISSN (online) 1613-6829. - SCO ; CCC

2024 [01/20] / DEU - Welsch, Tory A. - Cleveland, Jill M. - Chase, D. Bruce - Doty, Matthew F. Advances in Colloidal Synthesis of “Giant” Core/Thick-Shell Quantum Dots [elektronický dokument]. DOI 10.1007/978-3-031-42700-8_2 In: *Advances in Fabrication and Investigation of Nanomaterials for Industrial Applications*. Berlín: Springer Nature, 2024, s. 29-49. ISBN 978-3-031-42699-5. ISBN 978-3-031-42702-2. ISBN (online) 978-3-031-42700-8. - SCO, s. 29 - 49

2024 [01/20] / NLD - Liu, Guiju - Liccardo, Letizia - Moretti, Elisa - Zhao, Haiguang - Vomiero, Alberto. Quantum dots in photoelectrochemical hydrogen production [elektronický dokument]. DOI 10.1016/B978-0-323-95494-5.00015-X In: *Photoelectrochemical Engineering for Solar Harvesting: Chemistry, Materials, Devices*. Amsterdam: Elsevier, 2024, s. 415-463. ISBN 9780323954945. ISBN (online) 9780323954952. - SCO, s. 415 - 463

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Počet všetkých autorov: 10

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Lit.: 48

[OV 120 Chémia, chemická technológia a biotechnológia]

Indikátor časopisu:

IF: 12,353 - 2017

SNIP: 2,93 - 2017

SJR: 6,582 - 2017

CiteScore: 18,5 - 2017

Kvartil Q:

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Počet všetkých autorov: 8

[článok]

Lit.: 59

[OV 120 Chémia, chemická technológia a biotechnológia]

Indikátor časopisu:

IF: 4,259 - 2016

SNIP: 1,362 - 2016

SJR: 1,692 - 2016

CiteScore: 4,20 - 2016

AIS: 1,484 - 2016

Kvartil Q:

2016, AIS - Multidisciplinary sciences - Q1; **2016, JIF** - Multidisciplinary sciences - Q1; **2016, Scimago** - Multidisciplinary - Q1

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Počet všetkých autorov: 8

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Lit.: 18

[OV 120 Chémia, chemická technológia a biotechnológia]

Indikátor časopisu:

SNIP: 1,588 - 2016

SJR: 1,056 - 2016

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Lit.: 33

[OV 120 Chémia, chemická technológia a biotechnológia]

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Lit.: 30

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SJR: 2,125 - 2014

CiteScore: 6,8 - 2014

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Počet všech autorů: 9

[článok]

Lit.: 27

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Indikátor časopisu:

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SJR: 4,586 - 2014

CiteScore: 17 - 2014

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ADC_016 / Manner, Virginia W. (Autor) (15%) - Koposov, Alexey Y. (Autor) (15%) - Szymanski, Paul (Autor) (15%) - Klimov, Victor I. (Autor) (15%) - Sýkora, Milan (Autor) (40%): Role of Solvent-Oxygen Ion Pairs in Photooxidation of CdSe Nanocrystal Quantum Dots. – text. – CCC ; WOS CC ; SCO.

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Počet všetkých autorov: 5

[článok]

Lit.: 36

[OV 120 Chémia, chemická technológia a biotechnológia]

Indikátor časopisu:

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SJR: 7,162 - 2012

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Počet všetkých autorov: 5

[článok]

Lit.: 18

[OV 120 Chémia, chemická technológia a biotechnológia]

Indikátor časopisu:

SNIP: 1,251 - 2011

SJR: 0,823 - 2011

CiteScore: 3,3 - 2011

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ADC_018 / Kopusov, Alexey Y. (Autor) (10%) - Cardolaccia, Thomas (Autor) (8.335%) - Pastor, Victor B. (Autor) (8.333%) - Badaeva, Ekaterina (Autor) (8.333%) - Kilina, Svetlana (Autor) (8.333%) - Meyer, Thomas J. (Autor) (8.333%) - Tretiak, Sergei (Autor) (8.333%) - Sýkora, Milan (Autor) (40%): **Formation of Assemblies Comprising Ru-Polypyridine Complexes and CdSe Nanocrystals Studied by ATR-FTIR Spectroscopy and DFT Modeling.** - CCC ; WOS CC ; SCO ; SCIE.

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Počet všech autorů: 8

[článok]

Lit.: 33

[OV 120 Chémia, chemická technológia a biotechnológia]

Indikátor časopisu:

SNIP: 1,341 - 2011

SJR: 2,051 - 2011

CiteScore: 7 - 2011

Ohlasy (32):

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ADC_019 / Kuposov, Alexey Y. (Autor) (20%) - Szymanski, Paul (Autor) (10%) - Cardolaccia, Thomas (Autor) (10%) - Meyer, Thomas J. (Autor) (10%) - Klimov, Victor I. (Autor) (10%) - Sýkora, Milan (Autor) [UKOPRCAM] (40%): Electronic properties and structure of assemblies of CdSe nanocrystal quantum dots and Ru-polypyridine complexes probed by steady state and time-resolved photoluminescence. – CCC ; WOS CC ; SCO.

In: *Advanced Functional Materials* [textový dokument (print)] [elektronický dokument] . – Weinheim (Nemecko) : John Wiley & Sons. Wiley-VCH. – ISSN 1616-301X. – ISSN (online) 1616-3028. – Roč. 21, č. 16 (2011), s. 3159-3168 [tlačená forma] [online]

Počet všetkých autorov: 6

[článok]

Lit.: 62

[OV 120 Chémia, chemická technológia a biotechnológia]

Indikátor časopisu:

SNIP: 2,466 - 2011

SJR: 4,862 - 2011

CiteScore: 13,4 - 2011

Ohlasy (23):

2022 [01/20] / NLD - Cui, P. - Zhu, X. - Xue, Y. **Effect of binding geometry on interfacial charge transfer in a hybrid dye sensitizer based on a cadmium selenium quantum dot** [elektronický dokument] In: Applied Surface Science: a journal devoted to applied physics and chemistry of surfaces and interfaces. Amsterdam: Elsevier, 2022, Roč. 571, [tlačená forma] [online]. ISSN 0169-4332. ISSN (online) 1873-5584. - SCO, s. Art. No. 151233

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Počet všetkých autorov: 6

[článok]

Lit.: 18

[OV 120 Chémia, chemická technológia a biotechnológia]

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Lit.: 65

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ADC_022 / Fuke, Nobuhiro (Autor) (7.5%) - Hoch, Laura B. (Autor) (7.5%) - Koposov, Alexey Y. (Autor) (7.5%) - Manner, Virginia W. (Autor) (7.5%) - Werder, Donald J. (Autor) (7.5%) - Fukui, Atsushi (Autor) (7.5%) - Koide, Naoki (Autor) (7.5%) - Katayama, Hiroyuki (Autor) (7.5%) - Sýkora, Milan (Autor) (40%): CdSe Quantum-Dot-

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Počet všetkých autorov: 9
[článok]
Lit.: 50
[OV 120 Chémia, chemická technológia a biotechnológia]

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Lit.: 36

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Počet všetkých autorov: 6

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Lit.: 16

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Počet všech autorů: 3

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Lit.: 50

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Lit.: 28

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Počet všetkých autorov: 8

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Lit.: 52

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(15%) - Sýkora, Milan (Autor) (15%) - Kincaid, James R. (Autor) (15%) - Sligar, Stephen G. (Autor) (15%):

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Lit.: 44

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ADC_036 / Trammell, Scott A. (Autor) (20%) - Yang, John C. (Autor) (20%) - Sýkora, Milan (Autor) (15%) - Fleming, Cavan N. (Autor) (15%) - Odobel, Fabrice (Autor) (15%) - Meyer, Thomas J. (Autor) (15%): **Molecular energy transfer across oxide surfaces.** – text. – CCC ; WOS CC ; SCO.

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Počet všech autorů: 4

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Lit.: 37

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ADC_039 / Sýkora, Milan (Autor) (25%) - Maxwell, Kimberly A. (Autor) (25%) - DeSimone, Joseph M. (Autor) (25%) - Meyer, Thomas J. (Autor) (25%): **Mimicking the antenna-electron transfer properties of photosynthesis**. - text. - CCC ; WOS CC ; SCO.

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Počet všech autorů: 4

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Lit.: 44

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Počet všech autorů: 6

[článok]

ADC_042 / Khan, Shoeb I. (Autor) (20%) - Beilstein, Amy E. (Autor) (20%) - Smith, Gregory D. (Autor) (20%) - Sýkora, Milan (Autor) [UKOPRCAM] (20%) - Grinstaff, Mark W. (Autor) (20%): **Synthesis and excited-state properties of a novel ruthenium nucleoside: 5-[Ru(bpy)(2)(4-m-4'-pa-bpy)](2+)-2'-deoxyuridine**. – CCC ; WOS CC.

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Počet všech autorů: 5

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ADC_043 / Sýkora, Milan (Autor) (25%) - Kincaid, James R. (Autor) (25%) - Dutta, Prabir K. (Autor) (25%) - Castagnola, Norma B. (Autor) (25%): On the nature and extent of intermolecular interactions between entrapped complexes of Ru(bpy)(3)(2+) in zeolite Y. – text. – CCC ; WOS CC ; SCO.
In: Journal of Physical Chemistry B [textový dokument (print)] [elektronický dokument] : Biophysical Chemistry, Biomaterials, Liquids, and Soft Matter. – Washington (USA) : American Chemical Society. – ISSN 1520-6106. – ISSN (online) 1520-5207. – ISSN (zrušené) 1089-5647. – Roč. 103, č. 2 (1999), s. 309-320 [tlačená forma] [online]
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ADC_044 / Sýkora, Milan (Autor) [UKOPRCAM] (34%) - Maxwell, Kimberly A. (Autor) (33%) - Meyer, Thomas J. (Autor) (33%): SiO2 sol-gel composite films containing redox-active, polypyridyl-ruthenium polymers. – CCC ; WOS CC ; SCO.

In: Inorganic Chemistry [textový dokument (print)] [elektronický dokument] . – Washington (USA) : American Chemical Society. – ISSN 0020-1669. – ISSN (online) 1520-510X. – Roč. 38, č. 16 (1999), s. 3596-3597 [tlačená forma] [online]
Počet všetkých autorov: 3

[článok]

Lit.: 21

ADC_045 / Sýkora, Milan (Autor) (50%) - Meyer, Thomas J. (Autor) (50%): **Electrogenerated chemiluminescence in SiO(2) sol-gel polymer composites**. – text. – CCC ; WOS CC ; SCO.

In: *Chemistry of Materials* [textový dokument (print)] [elektronický dokument] : a Publication of the American Chemical Society. – Washington (USA) : American Chemical Society. – ISSN 0897-4756. – ISSN (online) 1520-5002. – Roč. 11, č. 5 (1999), s. 1186-1189 [tlačená forma] [online]

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ADC_046 / Khan, Shoeb I. (Autor) (20%) - Beilstein, Amy E. (Autor) (20%) - Tierney, Mark T. (Autor) (20%) - Sýkora, Milan (Autor) [UKOPRCAM] (20%) - Grinstaff, Mark W. (Autor) (20%): **Solid-phase synthesis and photophysical properties of DNA labeled at the nucleobase with Ru(bpy)(2)(4-m-4'-pa-bpy)(2+)**. – CCC ; WOS CC.

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ADC_047 / Worl, Laura A. (Autor) (20%) - Jones, Wayne E. (Autor) (20%) - Strouse, Geoffrey F. (Autor) (10%) - Younathan, Janet N. (Autor) (10%) - Danielson, Earl (Autor) (10%) - Maxwell, Kimberly A. (Autor) (10%) - Sýkora, Milan (Autor) [UKOPRCAM] (10%) - Meyer, Thomas J. (Autor) (10%): **Multiphoton, multielectron transfer photochemistry in a soluble polymer**. – CCC ; WOS CC ; SCO.

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Počet všetkých autorov: 8

[článok]

ADC_048 / Trammell, Scott A. (Autor) (20%) - Moss, John A. (Autor) (10%) - Yang, John C. (Autor) (10%) - Nakhle, Bassam M. (Autor) (10%) - Slate, Cheryl A. (Autor) (10%) - Odobel, Fabrice (Autor) (10%) - Sýkora, Milan (Autor) (10%) - Erickson, Bruce W. (Autor) (10%) - Meyer, Thomas J. (Autor) (10%): **Sensitization of TiO(2) by phosphonate-derivatized proline assemblies**. – text. – CCC ; WOS CC ; SCO.

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Počet všech autorů: 4

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ADC_050 / Manuel, David J. (Autor) (20%) - Strommen, Dennis P. (Autor) (20%) - Bhuiyan, Anwar (Autor) (20%) - Sýkora, Milan (Autor) [UKOPRCAM] (20%) - Kincaid, James R. (Autor) (20%): Resonance Raman and time-resolved resonance Raman studies of complexes of divalent ruthenium with bipyridine and 4,4'-bipyrimidine ligands. - CCC ; WOS CC ; SCO.

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ADD Vedecké práce v domácich karentovaných časopisoch

Počet výstupov: 1

ADD_001 / Schwendt, Peter (Autor) [UKOPRCAG] (50%) - Sýkora, Milan (Autor) [UKOPRCAM] (50%): Vibrational spectra of aquadioxotetra-peroxodivanadates (V) M₂[V₂O₂(O₂)₄(H₂O)]_xH₂O (M=N(CH₃)₄,Cs). - WOS CC.

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Počet všetkých autorov: 2
[článok]

ADE Vedecké práce v ostatných zahraničných časopisoch

Počet výstupov: 3

ADE_001 / Sýkora, Milan (Autor) (50%) - Kincaid, James R. (Autor) (50%): Photochemical energy storage in a spatially organized zeolite-based photoredox system. - text. - WOS CC ; SCO.

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ADE_003 / Sýkora, Milan (Autor) [UKOPRCAM] (50%) - Kincaid, James R. (Autor) (50%): Synthetic manipulation of excited-state decay pathways in a series of Ruthenium(II) complexes containing bipyrazine and substituted bipyridine ligands. – WOS CC.

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Diazafluorene and 9,9'-Dimethyl-4,5-Diazafluorene as Ligands Supporting Redox-Active Mn and Ru Complexes [elektronický dokument] In: *Molecules*. Bazilej: Multidisciplinary Digital Publishing Institute, 2020, Roč. 25, č. 14, [online]. ISSN (online) 1420-3049. - SCO, s. Art. No. 3189

2018 [01/12] / CHE - Bustamante, N. - Ielasi, G. - Bedoya, M. - Orellana, G. **In:** *Polymers*. Bazilej: Multidisciplinary Digital Publishing Institute, 2018, Roč. 10, č. 3, [online]. ISSN (online) 2073-4360. - SCIE ; WOS CC, s. Art. No. 234

2018 [01/12] / USA - Cerfontaine, S. - Marcelis, L. - Laramée-Milette, B. - Hanan, G.S. - Loiseau, F. - De Winter, J. - Gerbaux. **In:** *Inorganic Chemistry*. Washington: American Chemical Society, 2018, Roč. 57, č. 5, [tlačená forma] [online]. ISSN 0020-1669. ISSN (online) 1520-510X. - SCIE ; WOS CC, s. 2639 - 2653

2018 [01/12] / USA - Deaton, J.C. - Taliaferro, C.M. - Pitman, C.L. - Czerwieniec, R. - Jakubikova, E. - Miller, A.J.M. - Castellano, F.N. **In:** *Inorganic Chemistry*. Washington: American Chemical Society, 2018, Roč. 57, č. 24, [tlačená forma] [online]. ISSN 0020-1669. ISSN (online) 1520-510X. - SCIE ; WOS CC, s. 15445 - 15461

AFD Publikované príspevky na domácich vedeckých konferenciách **Počet výstupov: 6**

AFD_001 / Božeková, Ivana (Autor) [Interný doktorand] [UKOPRCAM] (50%) - Sýkora, Milan (Autor) [UKOPRCAM] (50%) - Šebesta, Radovan (Recenzent) - Jerigová, Monika (Recenzent) : **Príprava kovových nanokryštálov zlata a striebra pre testovanie antivírovej aktivity** = Colloidal Synthesis of Gold and Silver Metal Nanocrystals for Studies of their Antiviral Activity. – text, ilustr., graf., tab.

In: *Študentská vedecká konferencia PriF UK 2021* [elektronický dokument] [textový dokument (print)] : zborník recenzovaných príspevkov / Viglašová, Eva [Zostavovateľ, editor] ; Chovancová, Mária [Zostavovateľ, editor] ; Sebechlebská, Táňa [Zostavovateľ, editor] ; Gajanová, Dagmara [Zostavovateľ, editor]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave. Prírodovedecká fakulta UK, 2021. – ISBN 978-80-223-5132-4, s. 539-544 [online] [tlačená forma]

Študentská vedecká konferencia PriF UK 2021 : eŠVK PRIF UK 2021 [Bratislava, Slovensko, 21.04.2021]

Počet všetkých autorov: 2

[príspevok z podujatia]

Lit.: 20

[OV 120 Chémia, chemická technológia a biotechnológia]

AFD_002 / Božeková, Ivana (Autor) [Interný doktorand] [UKOPRCAM] (50%) - Sýkora, Milan (Autor) [UKOPRCAM] (50%): **Colloidal synthesis of gold and silver nanocrystals for studies of antimicrobial activity**. – text, graf., tab.

In: *Chémia a technológia pre život* [elektronický dokument] [textový dokument (print)] : 23. celoslovenská študentská vedecká konferencia s medzinárodnou účasťou organizovaná v online formáte / Rehákova, Milena [Zostavovateľ, editor] ; Oravec, Juraj [Zostavovateľ, editor] ; Ácsová, Aneta [Recenzent] ; Benkőová, Michaela [Recenzent] ; Bírová, Ivana [Recenzent] ; Blaškovičová, Jana [Recenzent]. – 1. vyd. – Roč. 23. – Bratislava (Slovensko) : Slovenská technická univerzita v Bratislave. Fakulta chemickej a potravinárskej technológie. Slovenská chemická knižnica, 2021. – ISBN 978-80-8208-064-6, s. 135-136 [online] [tlačená forma]

Chémia a technológia pre život, 23 [Bratislava, Slovensko, 24.11.2021]

Počet všetkých autorov: 2

[príspevok z podujatia]

Lit.: 5

[OV 120 Chémia, chemická technológia a biotechnológia]

AFD_003 / Mini Rajendran, Gokul Raj (Autor) [UKOPRCAM] (34%) - Tisovský, Pavol (Autor) [UKOPRCOR] (33%) - Sýkora, Milan (Autor) [UKOPRCAM] (33%) - Šebesta, Radovan (Recenzent) - Jerigová, Monika (Recenzent) : **Design, Synthesis and Characterization of Boron Doped Graphene Quantum Dots for Electrochromic Applications**. – text, ilustr., graf.

In: *Študentská vedecká konferencia PriF UK 2021* [elektronický dokument] [textový dokument (print)] : zborník recenzovaných príspevkov / Viglašová, Eva [Zostavovateľ, editor] ; Chovancová, Mária [Zostavovateľ, editor] ; Sebechlebská, Táňa [Zostavovateľ, editor] ; Gajanová, Dagmara [Zostavovateľ, editor]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave. Prírodovedecká fakulta UK, 2021. – ISBN 978-80-223-5132-4, s. 691-695 [online] [tlačená forma]

Študentská vedecká konferencia PriF UK 2021 : eŠVK PRIF UK 2021 [Bratislava, Slovensko, 21.04.2021]

Počet všetkých autorov: 3

[príspevok z podujatia]

Lit.: 9

[OV 120 Chémia, chemická technológia a biotechnológia]

AFD_004 / Zechel, Filip (Autor) [Interný doktorand] [UKOPRCAM] (50%) - Sýkora, Milan (Autor) [UKOPRCAM] (50%) - Šebesta, Radovan (Recenzent) - Jerigová, Monika (Recenzent) : **The Effect of Reaction Parameters on the Lateral Size of Colloidal CdSe 2D Nanocrystals**. – text, graf.

In: *Študentská vedecká konferencia PriF UK 2021* [elektronický dokument] [textový dokument (print)] : zborník recenzovaných príspevkov / Viglašová, Eva [Zostavovateľ, editor] ; Chovancová, Mária [Zostavovateľ, editor] ; Sebechlebská, Táňa [Zostavovateľ, editor] ; Gajanová, Dagmara [Zostavovateľ, editor]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave. Prírodovedecká fakulta UK, 2021. – ISBN 978-80-223-5132-4, s. 830-835 [online] [tlačená forma]

Študentská vedecká konferencia PriF UK 2021 : eŠVK PRIF UK 2021 [Bratislava, Slovensko, 21.04.2021]

Počet všetkých autorov: 2

[príspevok z podujatia]

Lit.: 7

[OV 120 Chémia, chemická technológia a biotechnológia]

AFD_005 / Zechel, Filip (Autor) [Interný doktorand] [UKOPRCAM] (50%) - Sýkora, Milan (Autor) [UKOPRCAM] (50%): **Preparation of chalcogenide-oxide nanoheterostructures using colloidal syntheses**. – text, graf., tab.

In: *Chémia a technológia pre život* [elektronický dokument] [textový dokument (print)] : 23. celoslovenská študentská vedecká konferencia s medzinárodnou účasťou organizovaná v online formáte / Reháková, Milena [Zostavovateľ, editor] ; Oravec, Juraj [Zostavovateľ, editor] ; Ácssová, Aneta [Recenzent] ; Benkőová, Michaela [Recenzent] ; Bírová, Ivana [Recenzent] ; Blaškovičová, Jana [Recenzent]. – 1. vyd. – Roč. 23. – Bratislava (Slovensko) : Slovenská technická univerzita v Bratislave. Fakulta chemickej a potravinárskej technológie. Slovenská chemická knižnica, 2021. – ISBN 978-80-8208-064-6, s. 57-58 [online] [tlačená forma]

Chémia a technológia pre život, 23 [Bratislava, Slovensko, 24.11.2021]

Počet všetkých autorov: 2

[príspevok z podujatia]

Lit.: 6

[OV 120 Chémia, chemická technológia a biotechnológia]

AFD_006 / Jaykhedkar, Namrata (Autor) [Interný doktorand] [UKOPRCAM] (34%) - Sýkora, Milan (Autor) [UKOPRCAM] (33%) - Bučko, Tomáš (Autor) [UKOPRCFZ] (33%): **Theoretical Study of Temperature Dependent Behaviour of Crystal Phases in SrZrS₃**. – text, ilustr., graf.

In: *Študentská vedecká konferencia PriF UK 2020* [elektronický dokument] [textový dokument (print)] : zborník recenzovaných príspevkov / Viglašová, Eva [Zostavovateľ, editor] ; Chovancová, Mária [Zostavovateľ, editor] ; Sebechlebská, Táňa [Zostavovateľ, editor] ; Gajanová, Dagmara [Zostavovateľ, editor]. – [recenzované]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2020. – ISBN 978-80-223-5032-7, s. 689-694 [online] [CD-ROM] [tlačená forma]

Študentská vedecká konferencia PriF UK 2020 : eŠVK PRIF UK 2020 [Bratislava, Slovensko, 18.11.2020]

Počet všetkých autorov: 3

[príspevok z podujatia]

Lit.: 17

[OV 120 Chémia, chemická technológia a biotechnológia]

BFA Abstrakty odborných prác zo zahraničných podujatí (konferencie...)

Počet výstupov: 1

BFA_001 / Jaykhedkar, Namrata (Autor) [Interný doktorand] [UKOPRCAM] (34%) - Sýkora, Milan (Autor) [UKOPRCAM] (33%) - Bučko, Tomáš (Autor) [UKOPRCFZ] (33%): **Theoretical study of temperature dependent behaviour of crystal phases in SrZrS₃**. – text, ilustr.

In: *Evolution of electronic structure theory and experimental realization 2020* [textový dokument (print)] : International Workshop and Conference / Sanyal, Biplab [Zostavovateľ, editor] ; Nanda, Ranjit [Zostavovateľ, editor] ; Chandran, Sudakar [Zostavovateľ, editor] ; Ghosh, Saurabh [Zostavovateľ, editor] ; Sinha, Jaivardhan [Zostavovateľ, editor]. – 1. vyd. – Kattankulathur (India) : SRM Institute of Science and Technology, 2020, s. [1-1] [tlačená forma]

International workshop and conference on evolution of electronic structure theory & experimental realization [Kattankulathur, India, 14.12.2020-18.12.2020]

Počet všetkých autorov: 3

[abstrakt z podujatia - KP]

[OV 120 Chémia, chemická technológia a biotechnológia]

ŠTATISTIKA ZÁZNAMOV: 101

Podľa kategórie EPC od roku 2022

Počet všetkých záznamov: 40

V2 - Vedecký výstup publikačnej činnosti ako časť editovanej knihy alebo zborníka: 19

V3 - Vedecký výstup publikačnej činnosti z časopisu: 12

O2 - Odborný výstup publikačnej činnosti ako časť knižnej publikácie alebo zborníka: 3

P1 - Pedagogický výstup publikačnej činnosti ako celok: 1

D1 - Dokument práv duševného vlastníctva: 2

I2 - Iný výstup publikačnej činnosti ako časť publikácie alebo zborníka: 3

Podľa kategórie EPC do roku 2021

Počet všetkých záznamov: 61

ADC - Vedecké práce v zahraničných karentovaných časopisoch: 50

ADD - Vedecké práce v domácich karentovaných časopisoch: 1

ADE - Vedecké práce v ostatných zahraničných časopisoch: 3

AFD - Publikované príspevky na domácich vedeckých konferenciách: 6

BFA - Abstrakty odborných prác zo zahraničných podujatí (konferencie...): 1

Podľa typu dokumentu

článok: 65

príspevok: 1

príspevok z podujatia: 13

abstrakt z podujatia - KP: 18

abstrakt z podujatia - ČL: 1

Patentová prihláška: 2

učebnica pre vysoké školy: 1

Podľa krajiny vydania

Počet domácich vydání: 28

Počet zahraničných vydání: 69

Počet bez krajiny vydania: 4

Podľa oblasti výskumu

110 Metalurgické a montážne vedy: 3

120 Chémia, chemická technológia a biotechnológie: 89

130 Vedy o živej prírode: 1

Podľa študijného odboru

1160 fyzika: 1

1420 chémia: 40

1536 biológia: 1

2381 strojárstvo: 1

2820 chemické inžinierstvo a technológie: 1

Podľa podujatia

Počet všetkých konferenčných publikácií a príspevkov: 32

Z toho na domácich podujatiach: 26

Z toho na zahraničných podujatiach: 6

Podľa projektov

Počet publikácií s naviazaným projektom: 38

Podľa databáz a citačných indexov (obsahuje čakateľov)

CCC Current Content Connect: 61

MEDLINE®: 2

Nature Index: 2

OA Open access: 2

PubMed: 1

SCO SCOPUS: 59

WOS CC Web of Science Core Collection: 65
SCIE Science Citation Index Expanded: 24

Podľa metrik

AIS: 7
CiteScore: 26
IF: 16
SJR: 26
SNIP: 26

Podľa kvartilov

Počet záznamov s kvartilom AIS: 7
Z toho Q1: 6
Z toho Q2: 2
Počet záznamov s kvartilom JCI: 5
Z toho Q1: 4
Z toho Q2: 1
Počet záznamov s kvartilom JCR: 15
Z toho Q1: 15
Z toho Q2: 4
Z toho Q3: 1
Počet záznamov s kvartilom Scimago: 15
Z toho Q1: 14
Z toho Q2: 1

ŠTATISTIKA OHLASOV: 1626

Počet publikácií s ohlasom: 57

Podľa kategórie ohlasov

Počet ohlasov kategorizovaných podľa vyhlášky č. 456/2012: 352

Z toho bez autocitácií: 352

01 Citácie v zahraničných publikáciách registrované v citačných indexoch WOS CC a SCOPUS: 352

Z toho bez autocitácií: 352

Počet ohlasov kategorizovaných podľa vyhlášky č. 397/2020: 1274

Z toho bez autocitácií: 1274

01 Citácia v publikácii registrovaná v citačných indexoch: 1274

Z toho bez autocitácií: 1274

Počet indexovaných ohlasov

CCC Current Content Connect: 763
OA Open access: 2
SCO SCOPUS: 1440
WOS CC Web of Science Core Collection: 1183
BKCI-S Book Citation Index - Science: 1
CPCI-S Conference Proceedings Citation Index - Science: 3
ESCI Emerging Sources Citation Index: 1
SCIE Science Citation Index Expanded: 171
Ostatné: Ostatné: 3
Počet zahraničných vydání: 1639
Počet bez krajiny vydania: 66

Výpis ku dňu 26.08.2025

Elena Butková, Ústredná knižnica – CKIPS, PriF UK