

**UNIVERZITA KOMENSKÉHO  
FAKULTA MATEMATIKY, FYZIKY A INFORMATIKY**

**Zoznam publikačnej činnosti**

**Mgr. Martin Gális, PhD.**

**AAA Vedecké monografie vydané v zahraničných vydavateľstvách**

- AAA01 Moczó, Peter [UKOMFKAFZM] (37%) - Kristek, Jozef [UKOMFKAFZM] (33%) - Gális, Martin [UKOMFKAFZM] (30%): The finite-difference modelling of earthquake motions. - 1. vyd. - Cambridge : Cambridge University Press, 2014. - 365 s.  
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*Ohlasy (92):*  
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## ABB Štúdie charakteru vedeckej monografie v časopisoch a zborníkoch vydané v domácich vydavateľstvách

- ABB01 Moczo, Peter [UKOMFKAFZM] (33%) - Kristek, Jozef [UKOMFKAFZM] (28%) - Gális, Martin [UKOMFKAFZM] (17%) - Pažák, Peter [UKOMFKAFZMd] (17%) - Balažovjeh, Martin [UKOMFKAFZMd] (5%): The finite-difference and finite-element modeling of seismic wavepropagation and earthquake motion  
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Lit. 7 zázň., 6 obr.  
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Lit. 53 záz. n.

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ADC03 Kristek, Jozef [UKOMFKAFZM] (45%) - Moczo, Peter [UKOMFKAFZM] (40%) - Gális, Martin [UKOMFKAFZM] (15%): A brief summary of some PML formulations and discretizations for the velocity-stress equation of seismic motion  
Lit. 23 zázn., 1 obr., 1 tab.  
In: Studia Geophysica et Geodaetica. - Vol. 53, No. 4 (2009), s. 459-474. - ISSN 0039-3169  
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Lit. 49 záz.

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 Lit. 26 zázň., 5 obr.  
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Lit. 60 zázn., 6 obr.

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Lit. 34 zázň., 7 obr.

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Lit. 46 zázn., 13+3 obr., 2 tab.

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ADC10 Vyas, Jagdish Chandra (45%) - Mai, Paul Martin (30%) - Gális, Martin [UKOMFKAFZM] (25%): Distance and azimuthal dependence of ground-motion variability for unilateral strike-slip ruptures

Lit. 51 záz. n.

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*Registrované v:* wos

*Registrované v:* scopus

*Indikátor časopisu:*

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ADC11 Gális, Martin [UKOMFKAFZM] (45%) - Ampuero, Jean Paul (40%) - Mai, Paul Martin (10%) - Cappa, Frédéric (5%): Induced seismicity provides insight into why earthquake ruptures stop [elektronický dokument]

Lit. 45 zázň., 6 obr.

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URL: <http://advances.sciencemag.org/content/3/12/eaap7528.full>

Registrované v: wos

Registrované v: scopus

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ADC12 Mai, Paul Martin (20%) - Gális, Martin [UKOMFKAFZM] (20%) - Vyas, Jagdish Chandra (20%) - Dunham, Eric M. (20%) - Thingbaijam, Kiran K. S. (20%): Accounting for fault roughness in pseudo-dynamic ground-motion simulations

Lit. 92 zázň.

In: Pure and Applied Geophysics. - Vol. 174, No. 9 (2017), s. 3419-3450. - ISSN 0033-4553

*Registrované v:* wos

*Registrované v:* scopus

*Ohlasy (15):*

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- [o1] 2019 Withers, K. B. - Olsen, K. B. - Day, S. M. - Shi, Z.: Ground Motion and Intraevent Variability from 3D Deterministic Broad-band (0-7.5 Hz) Simulations along a Nonplanar Strike-Slip Fault. In: Bulletin of the Seismological Society of America, Vol. 109, No. 1, 2019, s. 229-250 - SCI ; SCOPUS
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ADC13 Zielke, O. (50%) - Gális, Martin [UKOMFKAFZM] (35%) - Mai, Paul Martin (15%): Fault roughness and strength heterogeneity control earthquake size and stress drop  
Lit. 28 záz.

In: Geophysical Research Letters. - Vol. 44, No. 2 (2017), s. 777-783. - ISSN 0094-8276

*Registrované v:* wos

*Registrované v:* scopus

*Ohlasy (24):*

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- [o1] 2020 Bruhat, L. - Klingler, Y. - Vallage, A. - Dunham, E. M.: Influence of fault roughness on surface displacement: from numerical simulations to coseismic slip distributions. In: *Geophysical Journal International*, Vol. 220, No. 3, 2020, s. 1857-1877 - SCI
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ADC14 Vyas, J. C. (45%) - Mai, P. M (20%) - Gális, Martin [UKOMFKAFZM] (20%) - Dunham, Eric M. (10%) - Imperatori, W. (5%): Mach wave properties in the presence of source and medium heterogeneity  
Lit.: 51 zázň.  
In: *Geophysical Journal International*. - Roč. 214, č. 3 (2018), s. 2035-2052. - ISSN (print) 0956-540X  
*Registrované v:* wos

*Indikátor časopisu:*

IF (JCR) 2018=2.777

*Kvartil Q:*

wos-jcr -- Q2 [Geochemistry & geophysics] -- 2018

*Ohlasy (2):*

[o1] 2020 Wang, Y. - Day, S. M.: Effects of Off-Fault Inelasticity on Near-Fault Directivity Pulses. In: Journal of Geophysical Research-Solid Earth, Vol. 125, No. 7, 2020, Art. No. e2019JB019074 - SCI ; SCOPUS

[o1] 2020 Weng, H. - Ampuero, J. P.: Continuum of earthquake rupture speeds enabled by oblique slip. In: Nature Geoscience, Vol. 13, No. 12, 2020, s. 817-821 - SCI ; SCOPUS

ADC15 Gális, Martin [UKOMFKAFZM] (50%) - Ampuero, Jean Paul (40%) - Mai, P. Martin (5%) - Kristek, Jozef [UKOMFKAFZM] (5%): Initiation and arrest of earthquake ruptures due to elongated overstressed regions  
Lit.: 31 zázn.

In: Geophysical Journal International. - Roč. 217, č. 3 (2019), s. 1783-1797. - ISSN (print) 0956-540X

*Registrované v:* scopus

*Registrované v:* wos

*Indikátor časopisu:*

IF (JCR) 2018=2.777

*Kvartil Q:*

wos-jcr -- Q2 [Geochemistry & geophysics] -- 2018

*Ohlasy (1):*

[o1] 2020 Li, G. - Liu, Y.: Earthquake Rupture Through a Step-Over Fault System: An Exploratory Numerical Study of the Leech River Fault, Southern Vancouver Island. In: Journal of Geophysical Research-Solid Earth, Vol. 125, No. 11, 2020, Art.No. e2020JB020059 - SCI

#### **Štatistika kategórií (Záznamov spolu: 17):**

AAA Vedecké monografie vydané v zahraničných vydavateľstvách (1)

ABB Štúdie charakteru vedeckej monografie v časopisoch a zborníkoch vydané v domácich vydavateľstvách (1)

ADC Vedecké práce v zahraničných karentovaných časopisoch (15)

ADF Vedecké práce v ostatných domácich časopisoch (0)

ADN Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS (0)

AEG Abstrakty vedeckých prác v zahraničných karentovaných časopisoch (0)

AFC Publikované príspevky na zahraničných vedeckých konferenciách (0)

AFG Abstrakty príspevkov zo zahraničných vedeckých konferencií (0)

AFH Abstrakty príspevkov z domácich vedeckých konferencií (0)

AFK Postery zo zahraničných konferencií (0)

BFB Abstrakty odborných prác z domácich podujatí (konferencie, ...) (0)

DAI Dizertačné a habilitačné práce (0)

FAI Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky, atlasy ...) (0)

GII Rôzne publikácie a dokumenty, ktoré nemožno zaradiť do žiadnej z predchádzajúcich kategórií (0)

#### **Štatistika ohlasov (601):**

[o1] Citácie v zahraničných publikáciách registrované v citačných indexoch (600)

[o3] Citácie v zahraničných publikáciách neregistrované v citačných indexoch (1)

**19.1.2021**