

Armor materials' behavior under repetitive dense plasma shots

Shirokova, Veronika; Laas, Tõnu; **Mikli, Valdek** Physica scripta 2014 / Art. 014045, 5 p. : ill <https://doi.org/10.1088/0031-8949/2014/T161/014045> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

The CMS fast beam condition monitor for HL-LHC

Auzinger, G.; Bakhshiansohi, H.; Dabrowski, A.; Delannoy, A.G.; Dierlamm, A.; Dragicevic, M.; Gholami, A.; Gomez, G.; Jenihhin, Maksim; **Shibin, Konstantin** Journal of instrumentation 2024 / art. C03048, 10 p. : ill <https://doi.org/10.1088/1748-0221/19/03/C03048> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Cones with convoluted geometry that always scatter or radiate

Blåsten, Emilia L.K.; Pohjola, Valter Inverse Problems 2022 / Art. 125001 <https://doi.org/10.1088/1361-6420/ac963c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Conjoined structures of carbon nanotubes and graphene nanoribbons

Krasnenko, Veera; Boltruško, Vadim; **Klopov, Mihhail**; Hižnjakov, Vladimir Physica scripta 2014 / 4 p.: ill <https://doi.org/10.1088/0031-8949/89/04/044008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Constitutive modeling with single and dual internal variables

Berezovski, Arkadi Entropy 2023 / art. 721, 26 p <https://doi.org/10.3390/e25050721> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dependence of multifractal analysis parameters on the darkness of a processed image

Martsepp, Merike; Laas, Tõnu; Laas, Katrin; **Priimets, Jaanis**; Tökke, Siim; **Mikli, Valdek** Chaos, Solitons & Fractals 2022 / art. 111811 <https://doi.org/10.1016/j.chaos.2022.111811> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Detection of deuterium retention by LIBS at different background pressures

Paris, Peeter; Butikova, J.; Laan, Matti; Aints, Mart; Hakola, A.; Piip, Kaarel; **Tufail, Iram**; Veis, P. Physica scripta 2017 / art. 014003, 5 p. : ill <https://doi.org/10.1088/0031-8949/2017/T170/014003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of radial velocity component in accelerating start-up pipe flow

Annus, Ivar; **Koppel, Tiit** European journal of mechanics B. Fluids 2015 / p. 48-54 : ill <https://doi.org/10.1016/j.euromechflu.2015.04.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electronic and optical properties of magnesium and calcium hydroxides : the role of covalency and many-body effects

Karazhanov, Smagul Zh.; Pishitshev, Aleksandr; **Klopov, Mihhail** Physica Scripta 2015 / art. 094015 <https://doi.org/10.1088/0031-8949/90/9/094015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electronic excitations and self-trapping of electrons and holes in CaSO₄

Kudrjavtseva, Irina; **Klopov, Mihhail**; Luštšik, Aleksandr Physica scripta 2014 / p. 1-6 : ill <https://doi.org/10.1088/0031-8949/89/4/044013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ensemble approach for detection of depression using EEG features

Avots, Egils; Jermakovs, Klavs; **Bachmann, Maie**; **Päeske, Laura**; Ozcinar, Cagri; Anbarjafari, Gholamreza Entropy 2022 / art. 211 <https://doi.org/10.3390/e24020211> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Extraction of the index of refraction by embedding multiple small inclusions

Alsaedi, Ahmed; Alzahrani, Faris; **Challa, Durga Prasad**; Kirane, Mokhtar; Sini, Mourad Inverse problems 2016 / art. 045004, p. 1-18 : ill <http://iopscience.iop.org/0266-5611/32/4/045004> <https://doi.org/10.1088/0266-5611/32/4/045004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Frictional wear and corrosion behavior of AlCoCrFeNi high-entropy alloy coatings synthesized by atmospheric plasma spraying

Mu, Yongkun; Zhang, Liangbo; Xu, Long; **Prashanth, Konda Gokuldoss**; Zhang, Nizhen; Ma, Xindi; Jia, Yuefei; Xu, Yulai; Jia, Yandong; Wang, Gang Entropy 2020 / art. 740 <https://doi.org/10.3390/e22070740> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The level of financial literacy among the high school students in the chosen regions of the Czech Republic

Pasekova, Marie; Redinova, Hana; **Kallaste, Kaidi** International journal of mathematical models and methods in applied sciences 2013 / p. 462-469 : ill <https://publikace.k.utb.cz/handle/10563/1003254> [Journal metrics at Scopus](#) [Article at Scopus](#)

Matrix transforms of λ -boundedness domains of the Zweier method

Aasma, Ants; **Dutta, Hemen** TWMS Journal of applied and engineering mathematics 2020 / p. 28-37 https://jaem.isikun.edu.tr/web/images/articles/vol.10-Special_Issue/04.pdf <https://jaem.isikun.edu.tr/web/index.php/archive/107-vol10-special-issue/582-matrix-transforms-of-boundedness-domains-of-the-zweier-method> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear wave dynamics in self-consistent water channels

Pelinovsky, Efim; **Didenkulova, Ira**; Shurgalina, Ekaterina; Aseeva, Nataly Journal of physics A: mathematical and theoretical 2017 / art. 505501, 16 p. : ill <https://doi.org/10.1088/1751-8121/aa923e> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On near and the nearest correlation matrix

Zusmanovich, Pasha Journal of nonlinear mathematical physics 2013 / p. 431-439 <https://doi.org/10.1080/14029251.2013.855050> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On shallow water rogue wave formation in strongly inhomogeneous channels

Didenkulova, Irina; Pelinovsky, Efim Journal of physics A : mathematical and theoretical 2016 / art. 194001, p. 1-11 : ill <https://doi.org/10.1088/1751-8113/49/19/194001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On solitary waves in case of amplitude-dependent nonlinearity

Tamm, Kert; Peets, Tanel Chaos, solitons & fractals 2015 / p. 108-114 : ill <https://doi.org/10.1016/j.chaos.2015.01.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the topologic structure of economic complex networks : empirical evidence from large scale payment network of Estonia

Rendon de la Torre, Stephanie; Kalda, Jaan; Kitt, Robert; Engelbrecht, Jüri Chaos, solitons & fractals 2016 / p. 18-27 : ill <https://doi.org/10.1016/j.chaos.2016.01.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Positive-energy D-bar method for acoustic tomography : a computational study

de Hoop, M. V.; Lassas, Matti; Santacesaria, M.; Siltanen, Samuli; **Tamminen, Janne Pertti Olavi** Inverse problems 2016 / art. 025003, p. 1-35 : ill <https://doi.org/10.1088/0266-5611/32/2/025003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Propagation of bankruptcy risk over scale-free economic networks

Andria, Joseph; di Tollo, Giacomo; **Kalda, Jaan** Entropy 2022 / art. 1713 <https://doi.org/10.3390/e24121713> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Random walks of oriented particles on fractals

Haber, René; Prehl, Janett; Hoffmann, Karl Heinz; **Herrmann, Heiko** Journal of physics A : mathematical and theoretical 2014 / p. 1-14 : ill <https://doi.org/10.1088/1751-8113/47/15/155001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reconstruction of an order of derivative and a source term in a fractional diffusion equation from final measurements

Janno, Jaan; Kinash, Nataliia Inverse problems 2018 / art. 025007, 19 p. : ill <https://doi.org/10.1088/1361-6420/aaa0f0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Relation between self-organization and wear mechanisms of diamond films

Podgurski, Vitali; Bogatov, Andrei; Yashin, Maxim Entropy 2018 / art. 279, 16 p. : ill <https://doi.org/10.3390/e20040279> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A survey on artificial intelligence approaches in supporting frontline workers and decision makers for the COVID-19 pandemic

Rasheed, Jawad; Jamil, Akhtar; **Draheim, Dirk** Chaos, solitons & fractals 2020 / art. 110337, 17 p <https://doi.org/10.1016/j.chaos.2020.110337> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The operadic modeling of gauge systems of the Yang-Mills type

Paal, Eugen Reports on mathematical physics 2014 / p. 109-126 : ill [https://doi.org/10.1016/S0034-4877\(14\)60061-6](https://doi.org/10.1016/S0034-4877(14)60061-6) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The optimization, design and performance of the FBCM23 ASIC for the upgraded CMS beam monitoring system

Kaplon, Jan; Wegrzyn, Grzegorz; **Shibin, Konstantin**; Barendregt, Marnix Journal of instrumentation 2024 / art. C02026, 6 p. : ill <https://doi.org/10.1088/1748-0221/19/02/C02026> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

The predictive power of power-laws : an empirical time-arrow based investigation

Andria, Joseph; Tollo, Giacomo di; **Kalda, Jaan** Chaos, solitons & fractals 2022 / art. 112425 <https://doi.org/10.1016/j.chaos.2022.112425> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The structure of algebraic solitons and compactons in the generalized Korteweg-de Vries equation

Pelinovsky, Efim; Talipova, Tatyana; **Soomere, Tarmo** Physica D : Nonlinear Phenomena 2021 / art. 132785, 7 p. : ill <https://doi.org/10.1016/j.physd.2020.132785> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Theory and molecular dynamics simulations of intrinsic localized modes and defect formation in solids

Hižnjakov, Vladimir; Haas, Mati; Šelkan, Aleksander; **Klopov, Mihail** Physica scripta 2014 / p. 1-5 : ill <https://doi.org/10.1088/0031-8949/89/04/044003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Transition from self-organized criticality into self-organization during sliding Si₃N₄ balls against nanocrystalline diamond films

Bogatov, Andrei; Podgurski, Vitali; Vagiström, Heinar; Yashin, Maxim; Shaikh, Asad Alamgir; Viljus, Mart; Menezes, Pradeep; Gershman, Iosif Entropy 2019 / art. 1055 ; 12 p <https://doi.org/10.3390/e21111055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)