

Attila CsÃ-k

List of Publications by Year in descending order

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69
papers

620
citations

567281

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69
all docs

69
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69
times ranked

583
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Heat Treatment of \hat{I}^2 -Tricalcium Phosphate-Containing Silica-Based Bioactive Aerogels on the Cellular Metabolism and Proliferation of MG63 Cells. <i>Biomedicines</i> , 2022, 10, 662.	3.2	6
2	Multiscale Thermal Investigations of Graphite Doped Polystyrene Thermal Insulation. <i>Polymers</i> , 2022, 14, 1606.	4.5	8
3	Combined Release of Antiseptic and Antibiotic Drugs from Visible Light Polymerized Biodegradable Nanocomposite Hydrogels for Periodontitis Treatment. <i>Pharmaceutics</i> , 2022, 14, 957.	4.5	8
4	Analyzing of lead, tin and germanium tellurides by means of secondary neutral mass spectrometry: Features, problems and possibilities. <i>Materials Today: Proceedings</i> , 2021, 35, 513-517.	1.8	1
5	The Atomki Accelerator Centre. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	19
6	Near-non-preferential sputtering of multicomponent solids as an effective way for production of dense cone shape arrays on a sputtered surface. <i>Vacuum</i> , 2021, 186, 110058.	3.5	4
7	Polarized Neutron Reflectometer with the Recording of Neutrons and Gamma Quanta. <i>Journal of Surface Investigation</i> , 2021, 15, 549-562.	0.5	2
8	Systematic Analysis of Micro-Fiber Thermal Insulations from a Thermal Properties Point of View. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4943.	2.5	5
9	Experimental verification of thermal properties of the aerogel blanket. <i>Case Studies in Thermal Engineering</i> , 2021, 25, 100966.	5.7	31
10	Electrosprayed calcium silicate nanoparticle-coated titanium implant with improved antibacterial activity and osteogenesis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 202, 111699.	5.0	12
11	Transformations of micron-sized PbTe surface structures induced by low energy ions. <i>Journal of Alloys and Compounds</i> , 2021, 883, 160978.	5.5	2
12	The Effect of the PVA/Chitosan/Citric Acid Ratio on the Hydrophilicity of Electrospun Nanofiber Meshes. <i>Polymers</i> , 2021, 13, 3557.	4.5	15
13	Sputtering rate of lead, tin and germanium tellurides with low energy argon ions. <i>Computational Problems of Electrical Engineering</i> , 2021, 11, 36-41.	0.2	0
14	Novel amorphous Al-rich Al ₂ O ₃ ultra-thin films as active photocatalysts for water treatment from some textile dyes. <i>Ceramics International</i> , 2020, 46, 7922-7929.	4.8	20
15	pH-dependent silicon release from phytoliths of Norway spruce (<i>Picea abies</i>). <i>Journal of Paleolimnology</i> , 2020, 63, 65-81.	1.6	6
16	Darkening of amorphous Si ₆ Ge _{1-x} thin films by means of non-affine thermal strain. <i>Journal of Non-Crystalline Solids</i> , 2020, 545, 120242.	3.1	0
17	Optimized Size and Distribution of Silver Nanoparticles on the Surface of Titanium Implant Regarding Cell Viability. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7063.	2.5	9
18	Possibilities of Speciation in the Central Sandy Steppe, Woody Steppe Area of the Carpathian Basin through the Example of <i>Festuca Taxa</i> . <i>Forests</i> , 2020, 11, 1325.	2.1	4

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19	Enhancement of Urbach's energy and non-lattice oxygen content of TiO _{1.7} ultra-thin films for more photocatalytic activity. <i>Ceramics International</i> , 2020, 46, 15236-15241.	4.8	17
20	Reversible laser-assisted structural modification of the surface of As-rich nanolayers for active photonics media. <i>Applied Surface Science</i> , 2020, 518, 146240.	6.1	0
21	Electrodeposition of Tin Selenide from Oxalate-Based Aqueous Solution. <i>Journal of the Electrochemical Society</i> , 2020, 167, 162502.	2.9	2
22	Direct surface patterning of amorphous chalcogenide layers with high-energy H ⁺ and He ⁺ ion beams. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 15331-15338.	2.2	1
23	Resonance strengths in the N ¹⁴ (p, ¹³ O) ¹⁵ astrophysical key reaction measured with activation. <i>Physical Review C</i> , 2019, 100, .	2.9	11
24	<p>Investigation of silver nanoparticles on titanium surface created by ion implantation technology</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 4709-4721.	6.7	50
25	Metal ion-dependent tailored antibacterial activity and biological properties of polydopamine-coated titanium implants. <i>Surface and Coatings Technology</i> , 2019, 378, 124998.	4.8	22
26	Grazing-Incidence Neutron Spectrometer Detecting Neutrons and Charged Particles. <i>Journal of Surface Investigation</i> , 2019, 13, 478-487.	0.5	4
27	Effects of the Heat Treatment in the Properties of Fibrous Aerogel Thermal Insulation. <i>Energies</i> , 2019, 12, 2001.	3.1	9
28	Phytoliths of six woody species important in the Carpathians: characteristic phytoliths in Norway spruce needles. <i>Vegetation History and Archaeobotany</i> , 2019, 28, 649-662.	2.1	14
29	Morphological changes of poly(tetrafluoroethylene) surface due to low current density proton irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 449, 71-74.	1.4	4
30	The behaviour of steel coated with TiB ₂ in Sn-Ag-Cu melt. <i>Materials Science and Technology</i> , 2019, 35, 680-686.	1.6	3
31	Implantation of multiply charged silicon ions into bioinert zirconia. <i>Vacuum</i> , 2019, 164, 15-17.	3.5	1
32	Diffusion and reaction kinetics governing surface blistering in radio frequency sputtered hydrogenated a-Si _x Ge _{1-x} (0 ≤ x ≤ 1) thin films. <i>Thin Solid Films</i> , 2019, 679, 58-63.	1.8	3
33	Relative detection factor for quantification of Secondary Neutral Mass Spectrometry measurements of PbTe binary telluride. <i>Vacuum</i> , 2019, 163, 99-102.	3.5	4
34	Laser desorption ionization time-of-flight mass spectrometry of Ge Se ₁ chalcogenide glasses, their thin films, and Ge:Se mixtures. <i>Journal of Non-Crystalline Solids</i> , 2019, 509, 65-73.	3.1	5
35	Calcium silicate layer on titanium fabricated by electrospray deposition. <i>Materials Science and Engineering C</i> , 2019, 98, 401-408.	7.3	17
36	Amorphisation effect in binary tellurides under low energy Ar ⁺ ion bombardment. <i>Materials Letters</i> , 2019, 236, 5-8.	2.6	4

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37	Dissolution of thin TaV ₂ during annealing of Ta/TaV ₂ /V tri-layer below the order-disorder temperature. <i>Applied Surface Science</i> , 2019, 466, 381-384.	6.1	2
38	Reversible structural changes of in situ prepared As ₄₀ Se ₆₀ nanolayers studied by XPS spectroscopy. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 917-924.	3.1	4
39	Magyarországon forgalmazott ZrO ₂ (Y ₂ O ₃) kerámiák fontosabb tulajdonságainak összehasonlító vizsgálata. <i>Fogorvosi Szemle</i> , 2019, 112, 110-116.	0.0	0
40	Peculiar properties of preferential sputtering of PbTe, SnTe, and GeTe by Ar ⁺ ion plasma. <i>Materials Science in Semiconductor Processing</i> , 2018, 88, 103-108.	4.0	8
41	Coherent Light Photo-modification, Mass Transport Effect, and Surface Relief Formation in As _x S _{100-x} Nanolayers: Absorption Edge, XPS, and Raman Spectroscopy Combined with Profilometry Study. <i>Nanoscale Research Letters</i> , 2017, 12, 149.	5.7	11
42	On the mechanisms of hydrogen-induced blistering in RF-sputtered amorphous Ge. <i>CrystEngComm</i> , 2017, 19, 1486-1494.	2.6	3
43	Relaxation of the magnetic state of a ferromagnetic–superconducting layered structure. <i>Journal of Experimental and Theoretical Physics</i> , 2017, 125, 480-494.	0.9	4
44	Ti oxidation states in Zn(Ti) coating of hot-dip galvanized steels. <i>Surface and Coatings Technology</i> , 2017, 326, 121-125.	4.8	5
45	Magnetism in structures with ferromagnetic and superconducting layers. <i>Journal of Experimental and Theoretical Physics</i> , 2017, 124, 114-130.	0.9	6
46	Formation of the Sputtered Phase of PbTe Crystals by Ar ⁺ Plasma and Re-deposition of the Sputtered Species at Secondary Neutral Mass Spectrometry Conditions. <i>Physics and Chemistry of Solid State</i> , 2017, 18, 21-28.	0.8	3
47	Enhanced Physicochemical and Biological Properties of Ion-Implanted Titanium Using Electron Cyclotron Resonance Ion Sources. <i>Materials</i> , 2016, 9, 25.	2.9	16
48	Investigation of the Performance of Thermally Generated Au/Ag Nanoislands for SERS and LSPR Applications. <i>Procedia Engineering</i> , 2016, 168, 1152-1155.	1.2	2
49	Designing the Color of Hot-Dip Galvanized Steel Sheet Through Destructive Light Interference Using a Zn-Ti Liquid Metallic Bath. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 3580-3596.	2.2	8
50	Preliminary studies of creation of gold nanoparticles on titanium surface towards biomedical applications. <i>Vacuum</i> , 2016, 126, 55-58.	3.5	12
51	Oscillations and huge preferences of PbTe crystal surface sputtering under Secondary Neutral Mass Spectrometry conditions. <i>Materials Letters</i> , 2016, 173, 167-169.	2.6	6
52	Morphology of PbTe Crystal Surface Sputtered by Argon Plasma under Secondary Neutral Mass Spectrometry Conditions. <i>Physics and Chemistry of Solid State</i> , 2016, 17, 336-341.	0.8	3
53	In situ investigations of laser and thermally modified As ₂ S ₃ nanolayers: Synchrotron radiation photoelectron spectroscopy and density functional theory calculations. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	9
54	Local surface structure and structural properties of As–Se nanolayers studied by synchrotron radiation photoelectron spectroscopy and DFT calculations. <i>Journal of Non-Crystalline Solids</i> , 2015, 410, 180-185.	3.1	8

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55	Effect of heat treatments on the properties of hydrogenated amorphous silicon for PV and PVT applications. <i>Solar Energy</i> , 2015, 119, 225-232.	6.1	9
56	Optical recording of surface relief on amorphous selenium. <i>Journal of Non-Crystalline Solids</i> , 2015, 408, 57-61.	3.1	8
57	Production of NiSi phase by grain boundary diffusion induced solid state reaction between Ni ₂ Si and Si(1 0 0) substrate. <i>Applied Surface Science</i> , 2014, 320, 627-633.	6.1	11
58	Evolution of the structure and hydrogen bonding configuration in annealed hydrogenated a-Si/a-Ge multilayers and layers. <i>Applied Surface Science</i> , 2013, 269, 12-16.	6.1	3
59	Phase growth in an amorphous Si-Cu system, as shown by a combination of SNMS, XPS, XRD and APT techniques. <i>Acta Materialia</i> , 2013, 61, 7173-7179.	7.9	18
60	Relationship between structural changes, hydrogen content and annealing in stacks of ultrathin Si/Ge amorphous layers. <i>Nanoscale Research Letters</i> , 2011, 6, 189.	5.7	10
61	Nanoscale investigations of shift of individual interfaces in temperature induced processes of Ni-Si system by secondary neutral mass spectrometry. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	17
62	Nanoresolution interface studies in thin films by synchrotron X-ray diffraction and by using X-ray waveguide structure. <i>X-Ray Spectrometry</i> , 2009, 38, 338-342.	1.4	11
63	Spontaneous near-substrate composition modulation in electrodeposited Fe-Co-Ni alloys. <i>Electrochemistry Communications</i> , 2009, 11, 1289-1291.	4.7	21
64	Application of Surface Roughness Data for the Evaluation of Depth Profile Measurements of Nanoscale Multilayers. <i>Journal of the Electrochemical Society</i> , 2009, 156, D253.	2.9	16
65	Structural modifications induced in hydrogenated amorphous Si/Ge multilayers by heat treatments. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 289-293.	2.2	10
66	Linear growth kinetics of nanometric silicides in Co/amorphous-Si and Co/CoSi/amorphous-Si thin films. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	23
67	Transition from anomalous kinetics toward Fickian diffusion for Si dissolution into amorphous Ge. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	23
68	Piezoelectric Properties of Sn ₂ P ₂ S ₆ Ceramics. <i>Ferroelectrics, Letters Section</i> , 2006, 33, 31-38.	1.0	6
69	Functionalization of Amorphous Chalcogenide and Titanium Oxide Layers by Gold Nanoparticles. <i>Advanced Materials Research</i> , 0, 747, 289-292.	0.3	1