

# Georgijs Bakradze

## List of Publications by Year in descending order

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25  
papers

230  
citations

1040056

9  
h-index

996975

15  
g-index

26  
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26  
docs citations

26  
times ranked

332  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure Development in Polymers during Fused Filament Fabrication (FFF): An in Situ Small- and Wide-Angle X-ray Scattering Study Using Synchrotron Radiation. <i>Macromolecules</i> , 2019, 52, 9715-9723.	4.8	45
2	Atomic transport mechanisms in thin oxide films grown on zirconium by thermal oxidation, as-derived from 18O-tracer experiments. <i>Acta Materialia</i> , 2011, 59, 7498-7507.	7.9	32
3	Valence-Band and Chemical-State Analyses of Zr and O in Thermally Grown Thin Zirconium-Oxide Films: An XPS Study. <i>Journal of Physical Chemistry C</i> , 2011, 115, 19841-19848.	3.1	26
4	The different initial oxidation kinetics of Zr(0001) and Zr(101 <sup>0</sup> ) surfaces. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	19
5	Oxide film growth kinetics on Zr(0001) and Zr(1010) single-crystal surfaces. <i>Surface and Interface Analysis</i> , 2010, 42, 588-591.	1.8	13
6	The use of polyolefins-based hot melts for wood bonding. <i>Mechanics of Composite Materials</i> , 2009, 45, 643-650.	1.4	11
7	Influence of mechanoactivation on the adhesion and mechanical properties of metal/oxide interfaces. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 339-342.	0.8	10
8	Micromechanical properties of grain boundaries and triple junctions in polycrystalline metal exhibiting grain-boundary sliding at 293ÅK. <i>Journal of Materials Science</i> , 2008, 43, 3848-3854.	3.7	10
9	On the Heuristic Procedure to Determine Processing Parameters in Additive Manufacturing Based on Materials Extrusion. <i>Polymers</i> , 2020, 12, 3009.	4.5	9
10	Evidence of nickel ions dimerization in NiWO <sub>4</sub> and NiWO <sub>4</sub> -ZnWO <sub>4</sub> . <i>Journal of Applied Physics</i> , 2012, 112, 044302.	7.9	8
11	An STM study of the initial oxidation of single-crystalline zirconium surfaces. <i>Surface Science</i> , 2012, 606, 846-851.	1.9	7
12	Nanostructured metal/oxide coatings. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 740-743.	0.8	6
13	The influence of water sorption-desorption cycles on the mechanical properties of composites based on recycled polyolefine and linen yarn production waste. <i>Mechanics of Composite Materials</i> , 2007, 43, 573-578.	1.4	5
14	Generation of luminescence in biomineralized zirconia by zirconia-binding peptides. <i>CrystEngComm</i> , 2015, 17, 1783-1790.	2.6	5
15	Temperature-dependent Shape Changes of Ice Nanoclusters on Ag(100). <i>ChemPhysChem</i> , 2018, 19, 2858-2862.	2.1	5
16	X-ray absorption and Raman spectroscopy studies of tungstates solid solutions ZnNi <sub>1-x</sub> WO <sub>4</sub> (x=0.0-1.0). <i>Low Temperature Physics</i> , 2020, 46, 1201-1205.	0.6	5
17	Correlation between the mechanical properties and the amount of desorbed water for composites based on a recycled low-density polyethylene and linen yarn production waste. <i>Mechanics of Composite Materials</i> , 2007, 43, 427-432.	1.4	4
18	Properties of ZnO coatings obtained by mechanoactivated oxidation. <i>Thin Solid Films</i> , 2009, 518, 1263-1266.	1.8	4

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19	Effect of Mechanoactivation on Interfacial Interaction in Metal/Oxide Systems. Defect and Diffusion Forum, 2006, 249, 263-268.	0.4	2
20	Adhesion and interfacial reactions on metal/oxide interface during plastic deformation at room temperature. Materialwissenschaft Und Werkstofftechnik, 2005, 36, 513-517.	0.9	1
21	Low-K factor of SiO <sub>2</sub> layer on Si irradiated by YAG:Nd laser. Journal of Non-Crystalline Solids, 2007, 353, 703-707.	3.1	1
22	The Role of Interphase Boundaries in the Deformation Behaviour of Fine-Grained Sn-38wt.%Pb Eutectics. Latvian Journal of Physics and Technical Sciences, 2009, 46, 33-43.	0.6	1
23	Chemical-state analyses of Ni, Zn, and W ions in NiWO <sub>4</sub> –ZnWO <sub>4</sub> solid solutions by X-ray photoelectron spectroscopy. Journal of Physics and Chemistry of Solids, 2022, 161, 110425.	4.0	1
24	Obtaining of nanostructured ZnO coatings using mechanoactivated oxidation. Journal of Physics: Conference Series, 2007, 93, 012007.	0.4	0
25	Nanostructured Al-O-Me Coatings Obtained by the Microtribological Method. Nanopages, 2006, 1, 339-349.	0.2	0