

Uwe Erb

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

497
citations

623734

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839539

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docs citations

24
times ranked

598
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrodeposited nanocrystalline medium-entropy alloys – An effective strategy of producing stronger and more stable nanomaterials. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163233.	5.5	14
2	Intercrystalline defects and some properties of electrodeposited nanocrystalline nickel and its alloys. <i>International Journal of Materials Research</i> , 2022, 94, 1066-1072.	0.3	0
3	Characterization of a nanocrystalline NiCo electroformed sheet metal. <i>Journal of Materials Science</i> , 2021, 56, 1749-1767.	3.7	10
4	Electron Microscopy Characterization of Copper Coatings for Canada's Used Nuclear Fuel Containers. <i>Microscopy and Microanalysis</i> , 2019, 25, 1592-1593.	0.4	0
5	Effects of diamond particle size on the formation of copper matrix and the thermal transport properties in electrodeposited copper-diamond composite materials. <i>Journal of Alloys and Compounds</i> , 2019, 791, 1128-1137.	5.5	43
6	Thermally Robust Non-Wetting Ni-PTFE Electrodeposited Nanocomposite. <i>Nanomaterials</i> , 2019, 9, 2.	4.1	25
7	Non-Wetting Nickel-Cerium Oxide Composite Coatings with Remarkable Wear Stability. <i>MRS Advances</i> , 2018, 3, 1647-1651.	0.9	1
8	Crystallographic orientation–surface energy–wetting property relationships of rare earth oxides. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18384-18388.	10.3	25
9	Thermal conductivity of copper-diamond composite materials produced by electrodeposition and the effect of TiC coatings on diamond particles. <i>Composites Part B: Engineering</i> , 2018, 155, 197-203.	12.0	54
10	Wear stability of superhydrophobic nano Ni-PTFE electrodeposits. <i>Wear</i> , 2017, 374-375, 1-4.	3.1	30
11	Robust Hydrophobic Rare Earth Oxide Composite Electrodeposits. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700850.	3.7	34
12	Recent Advances in Superhydrophobic Electrodeposits. <i>Materials</i> , 2016, 9, 151.	2.9	67
13	Mesostructure of Ordered Corneal Nano-nipple Arrays: The Role of 5–7 Coordination Defects. <i>Scientific Reports</i> , 2016, 6, 28342.	3.3	15
14	Thermal conductivity of bulk nanocrystalline nickel-diamond composites produced by electrodeposition. <i>Journal of Alloys and Compounds</i> , 2016, 687, 570-578.	5.5	20
15	Synthesis, structure, and properties of superhydrophobic nickel–PTFE nanocomposite coatings made by electrodeposition. <i>Surface and Coatings Technology</i> , 2015, 279, 134-141.	4.8	56
16	Remarkable crystal and defect structures in butterfly eye nano-nipple arrays. <i>Arthropod Structure and Development</i> , 2015, 44, 587-594.	1.4	14
17	Morphological development and environmental degradation of superhydrophobic aspen and black locust leaf surfaces. <i>Ecohydrology</i> , 2014, 7, 1421-1436.	2.4	11
18	Triple junction structure and carbide precipitation in 304L stainless steel. <i>Journal of Materials Research</i> , 2013, 28, 1589-1600.	2.6	3

#	ARTICLE	IF	CITATIONS
19	Towards the application of nanocrystalline metals in MEMS. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1259-1264.	1.8	24
20	Mechanical properties of nanocrystalline cobalt. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1265-1270.	1.8	29
21	Bridging Dimensional and Microstructural Scaling Effects. , 2005, , 77-88.		0
22	Size Effects in Electroformed Nanomaterials. Key Engineering Materials, 0, 444, 163-188.	0.4	16
23	Thermal Conductivity and Electrical Resistivity in Polycrystalline and Nanocrystalline Nickel. Advanced Materials Research, 0, 409, 561-565.	0.3	6