

Uwe Erb

List of Publications by Year in descending order

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23
papers

497
citations

623734

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839539

18
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24
all docs

24
docs citations

24
times ranked

598
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Superhydrophobic Electrodeposits. <i>Materials</i> , 2016, 9, 151.	2.9	67
2	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
3	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
4	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
5	Robust Hydrophobic Rare Earth Oxide Composite Electrodeposits. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700850.	3.7	34
6	Wear stability of superhydrophobic nano Ni-PTFE electrodeposits. <i>Wear</i> , 2017, 374-375, 1-4.	3.1	30
7	Mechanical properties of nanocrystalline cobalt. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1265-1270.	1.8	29
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	Thermally Robust Non-Wetting Ni-PTFE Electrodeposited Nanocomposite. <i>Nanomaterials</i> , 2019, 9, 2.	4.1	25
10	Towards the application of nanocrystalline metals in MEMS. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1259-1264.	1.8	24
11	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
12	Size Effects in Electroformed Nanomaterials. <i>Key Engineering Materials</i> , 0, 444, 163-188.	0.4	16
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	Remarkable crystal and defect structures in butterfly eye nano-nipple arrays. <i>Arthropod Structure and Development</i> , 2015, 44, 587-594.	1.4	14
15	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
16	Morphological development and environmental degradation of superhydrophobic aspen and black locust leaf surfaces. <i>Ecohydrology</i> , 2014, 7, 1421-1436.	2.4	11
17	Characterization of a nanocrystalline NiCo electroformed sheet metal. <i>Journal of Materials Science</i> , 2021, 56, 1749-1767.	3.7	10
18	Thermal Conductivity and Electrical Resistivity in Polycrystalline and Nanocrystalline Nickel. <i>Advanced Materials Research</i> , 0, 409, 561-565.	0.3	6

#	ARTICLE	IF	CITATIONS
19	Triple junction structure and carbide precipitation in 304L stainless steel. Journal of Materials Research, 2013, 28, 1589-1600.	2.6	3
20	Non-Wetting Nickel-Cerium Oxide Composite Coatings with Remarkable Wear Stability. MRS Advances, 2018, 3, 1647-1651.	0.9	1
21	Bridging Dimensional and Microstructural Scaling Effects. , 2005, , 77-88.		0
22	Electron Microscopy Characterization of Copper Coatings for Canada's Used Nuclear Fuel Containers. Microscopy and Microanalysis, 2019, 25, 1592-1593.	0.4	0
23	Intercrystalline defects and some properties of electrodeposited nanocrystalline nickel and its alloys. International Journal of Materials Research, 2022, 94, 1066-1072.	0.3	0