

Heinz-Dieter Kurland

List of Publications by Year in descending order

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15
papers

499
citations

687363

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996975

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docs citations

15
times ranked

640
citing authors

#	ARTICLE	IF	CITATIONS
1	Zirconia nanoparticles prepared by laser vaporization as fillers for dental adhesives. <i>Acta Biomaterialia</i> , 2010, 6, 4539-4546.	8.3	89
2	New ZrO ₂ /Al ₂ O ₃ Nanocomposite Fabricated from Hybrid Nanoparticles Prepared by CO ₂ Laser Co-Vaporization. <i>Scientific Reports</i> , 2016, 6, 20589.	3.3	55
3	Structure evolution of nanoparticulate Fe ₂ O ₃ . <i>Nanoscale</i> , 2015, 7, 2960-2969.	5.6	47
4	In Situ Synthesis of Photocatalytically Active Hybrids Consisting of Bacterial Nanocellulose and Anatase Nanoparticles. <i>Langmuir</i> , 2012, 28, 13518-13525.	3.5	45
5	Magnetic iron oxide nanopowders produced by CO ₂ laser evaporation. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 311, 73-77.	2.3	40
6	Preparation of ceramic nanospheres by CO ₂ laser vaporization (LAVA). <i>Journal of the European Ceramic Society</i> , 2011, 31, 2559-2568.	5.7	35
7	Microstructure, mechanical properties and low temperature degradation resistance of 2Y-TZP ceramic materials derived from nanopowders prepared by laser vaporization. <i>Journal of the European Ceramic Society</i> , 2015, 35, 2685-2691.	5.7	29
8	Control of the Crystal Phase Composition of Fe _x O _y Nanopowders Prepared by CO ₂ Laser Vaporization. <i>Crystal Growth and Design</i> , 2013, 13, 4868-4876.	3.0	26
9	Magnetic iron oxide nanopowders produced by CO ₂ laser evaporation—In situ™ coating and particle embedding in a ceramic matrix. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1381-1385.	2.3	25
10	Preparation of Spherical Titania Nanoparticles by CO ₂ Laser Evaporation and Process-Integrated Particle Coating. <i>Journal of the American Ceramic Society</i> , 2010, 93, 1282-1289.	3.8	23
11	Characterization of Nanoparticles by Solvent Infrared Spectroscopy. <i>Analytical Chemistry</i> , 2015, 87, 12313-12317.	6.5	23
12	Design of a New Zirconia-Alumina-Ta Micro-Nanocomposite with Unique Mechanical Properties. <i>Journal of the American Ceramic Society</i> , 2016, 99, 3205-3209.	3.8	20
13	Simulation of the long-term fate of superparamagnetic iron oxide-based nanoparticles using simulated biological fluids. <i>Nanomedicine</i> , 2019, 14, 1681-1706.	3.3	17
14	The differences of the impact of a lipid and protein corona on the colloidal stability, toxicity, and degradation behavior of iron oxide nanoparticles. <i>Nanoscale</i> , 2021, 13, 9415-9435.	5.6	16
15	Europium(III)-Doped MgAl ₂ O ₄ Spinel Nanophosphor Prepared by CO ₂ Laser Co-Vaporization. <i>Journal of the American Ceramic Society</i> , 2016, 99, 2561-2564.	3.8	9