

Dieter Vollath

List of Publications by Year in descending order

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16
papers

552
citations

1040056

9
h-index

996975

15
g-index

18
all docs

18
docs citations

18
times ranked

678
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface energy of nanoparticles – influence of particle size and structure. Beilstein Journal of Nanotechnology, 2018, 9, 2265-2276.	2.8	130
2	Plasma synthesis of nanopowders. Journal of Nanoparticle Research, 2008, 10, 39-57.	1.9	125
3	Synthesis of nanosized ceramic oxide powders by microwave plasma reactions. Scripta Materialia, 1992, 1, 427-437.	0.5	97
4	The Microwave plasma process – a versatile process to synthesise nanoparticulate materials. Journal of Nanoparticle Research, 2006, 8, 417-428.	1.9	55
5	Bifunctional Nanocomposites with Magnetic and Luminescence Properties. Advanced Materials, 2010, 22, 4410-4415.	21.0	43
6	Plasma Synthesis of Nanoparticles. KONA Powder and Particle Journal, 2007, 25, 39-55.	1.7	36
7	Ceramic nanoparticles coated with polymers based on acrylic derivatives. Macromolecular Symposia, 2002, 181, 107-112.	0.7	19
8	Structural fluctuations in nanoparticles. Journal of Nanoparticle Research, 2009, 11, 433-439.	1.9	10
9	Estimation of particle size distributions obtained by gas phase processes. Journal of Nanoparticle Research, 2011, 13, 3899-3909.	1.9	9
10	SYNTHESIS OF NANOPOWDERS BY THE MICROWAVE PLASMA PROCESS - BASIC CONSIDERATIONS AND PERSPECTIVES FOR SCALING UP. , 2002, , 219-251.		9
11	A Cascaded Microwave Plasma Source for Synthesis of Ceramic Nanocomposite Powders. Materials Research Society Symposia Proceedings, 1994, 347, 629.	0.1	7
12	Criteria ruling particle agglomeration. Beilstein Journal of Nanotechnology, 2021, 12, 1093-1100.	2.8	4
13	Phase transformations of nanoparticles exposed to hydrostatic pressure. Journal of Nanoparticle Research, 2010, 12, 1859-1868.	1.9	3
14	Nanoparticles for energetic applications - formation and aggregation. FirePhysChem, 2022, 2, 357-366.	3.4	3
15	Energy distribution in an ensemble of nanoparticles and its consequences. Beilstein Journal of Nanotechnology, 2019, 10, 1452-1457.	2.8	1
16	Determination of particle size distributions and transformation enthalpies from the temperature course of a phase transformation. Journal of Nanoparticle Research, 2020, 22, 1.	1.9	1