

Bernd Smarsly

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11853981/publications.pdf>

Version: 2024-02-01

41
papers

5,997
citations

126907

33
h-index

243625

44
g-index

45
all docs

45
docs citations

45
times ranked

7087
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionic Liquids for the Convenient Synthesis of Functional Nanoparticles and Other Inorganic Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4988-4992.	13.8	1,127
2	Adsorption Hysteresis of Nitrogen and Argon in Pore Networks and Characterization of Novel Micro- and Mesoporous Silicas. <i>Langmuir</i> , 2006, 22, 756-764.	3.5	505
3	A reconsideration of the relationship between the crystallite size L_a of carbons determined by X-ray diffraction and Raman spectroscopy. <i>Carbon</i> , 2006, 44, 3239-3246.	10.3	452
4	Periodically ordered nanoscale islands and mesoporous films composed of nanocrystalline multimetallic oxides. <i>Nature Materials</i> , 2004, 3, 787-792.	27.5	327
5	Highly Crystalline Cubic Mesoporous TiO_2 with 10-nm Pore Diameter Made with a New Block Copolymer Template. <i>Chemistry of Materials</i> , 2004, 16, 2948-2952.	6.7	309
6	Hierarchical Porous Silica Materials with a Trimodal Pore System Using Surfactant Templates. <i>Journal of the American Chemical Society</i> , 2004, 126, 10534-10535.	13.7	299
7	Thermally Stable Nanocrystalline $\hat{\text{I}}^3$ -Alumina Layers with Highly Ordered 3D Mesoporosity. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4589-4592.	13.8	182
8	Replication of Lyotropic Block Copolymer Mesophases into Porous Silica by Nanocasting: A Learning about Finer Details of Polymer Self-Assembly. <i>Langmuir</i> , 2003, 19, 4455-4459.	3.5	181
9	Ordered Mesoporous Sb-, Nb-, and Ta-Doped SnO_2 Thin Films with Adjustable Doping Levels and High Electrical Conductivity. <i>ACS Nano</i> , 2009, 3, 1373-1378.	14.6	175
10	Antimony-Doped SnO_2 Nanopowders with High Crystallinity for Lithium-Ion Battery Electrode. <i>Chemistry of Materials</i> , 2009, 21, 3202-3209.	6.7	172
11	Principles of Hierarchical Meso- and Macropore Architectures by Liquid Crystalline and Polymer Colloid Templating. <i>Langmuir</i> , 2006, 22, 2311-2322.	3.5	169
12	Templating Behavior of a Long-Chain Ionic Liquid in the Hydrothermal Synthesis of Mesoporous Silica. <i>Langmuir</i> , 2007, 23, 1489-1495.	3.5	165
13	From Cyclodextrin Assemblies to Porous Materials by Silica Templating We thank the Max-Planck society for funding.. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4417.	13.8	164
14	SANS Investigation of Nitrogen Sorption in Porous Silica. <i>Journal of Physical Chemistry B</i> , 2001, 105, 831-840.	2.6	137
15	On the Microporous Nature of Mesoporous Molecular Sieves. <i>Chemistry of Materials</i> , 2001, 13, 1617-1624.	6.7	134
16	Preparation of Porous Silica Materials via Sol-Gel Nanocasting of Nonionic Surfactants: A Mechanistic Study on the Self-Aggregation of Amphiphiles for the Precise Prediction of the Mesopore Size. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10473-10483.	2.6	128
17	Block Copolymer Assemblies as Templates for the Generation of Mesoporous Inorganic Materials and Crystalline Films. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 1111-1119.	2.0	123
18	Mesostructured Crystalline Ceria with a Bimodal Pore System Using Block Copolymers and Ionic Liquids as Rational Templates. <i>Chemistry of Materials</i> , 2005, 17, 1683-1690.	6.7	122

#	ARTICLE	IF	CITATIONS
19	Polymer-Assisted Generation of Antimony-Doped SnO ₂ Nanoparticles with High Crystallinity for Application in Gas Sensors. <i>Small</i> , 2008, 4, 1656-1660.	10.0	121
20	X-ray scattering of non-graphitic carbon: an improved method of evaluation. <i>Journal of Applied Crystallography</i> , 2002, 35, 624-633.	4.5	118
21	New Triblock Copolymer Templates, PEO- <i>b</i> -PEO, for the Synthesis of Titania Films with Controlled Mesopore Size, Wall Thickness, and Bimodal Porosity. <i>Small</i> , 2012, 8, 298-309.	10.0	96
22	Controlled Assembly of Preformed Ceria Nanocrystals into Highly Ordered 3D Nanostructures. <i>Small</i> , 2005, 1, 313-316.	10.0	95
23	Crystal-to-Crystal Phase Transition in Self-Assembled Mesoporous Iron Oxide Films. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 781-784.	13.8	79
24	The generation of mesostructured crystalline CeO ₂ , ZrO ₂ and CeO ₂ -ZrO ₂ films using evaporation-induced self-assembly. <i>New Journal of Chemistry</i> , 2005, 29, 237-242.	2.8	75
25	Self-Assembly and Crystallization Behavior of Mesoporous, Crystalline HfO ₂ Thin Films: A Model System for the Generation of Mesostructured Transition-Metal Oxides. <i>Small</i> , 2005, 1, 889-898.	10.0	72
26	Self-assembly in inorganic and hybrid systems: beyond the molecular scale. <i>Dalton Transactions</i> , 2008, , 18-24.	3.3	52
27	Preparation of a large Mesoporous CeO ₂ with crystalline walls using PMMA colloidal crystal templates. <i>Colloid and Polymer Science</i> , 2006, 285, 1-9.	2.1	48
28	Pore Hierarchy in Mesoporous Silicas Evidenced by In-Situ SANS during Nitrogen Physisorption. <i>Langmuir</i> , 2007, 23, 4724-4727.	3.5	45
29	Liquid Inorganic-Organic Nanocomposites: Novel Electrolytes and Ferrofluids. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3809-3811.	13.8	43
30	Templating and Phase Behaviour of the Long Chain Ionic Liquid C16mimCl. <i>Zeitschrift Fur Physikalische Chemie</i> , 2006, 220, 1455-1471.	2.8	43
31	Quantitative SAXS Analysis of Oriented 2D Hexagonal Cylindrical Silica Mesostructures in Thin Films Obtained from Nonionic Surfactants. <i>Langmuir</i> , 2005, 21, 3858-3866.	3.5	41
32	Characterization of Worm-Like Micro- and Mesoporous Silicas by Small-Angle Scattering and High-Resolution Adsorption Porosimetry. <i>Adsorption</i> , 2005, 11, 653-655.	3.0	35
33	Towards porous silica materials via nanocasting of stable pseudopolyrotaxanes from β -cyclodextrin and polyamines. <i>Microporous and Mesoporous Materials</i> , 2003, 66, 127-132.	4.4	30
34	General Synthesis of Ordered Mesoporous Rare-Earth Orthovanadate Thin Films and Their Use as Photocatalysts and Phosphors for Lighting Applications. <i>ACS Applied Nano Materials</i> , 2019, 2, 1063-1071.	5.0	19
35	Illumination-induced properties of highly ordered mesoporous TiO ₂ layers with controlled crystallinity. <i>Thin Solid Films</i> , 2007, 515, 6541-6543.	1.8	15
36	Making nanometer thick silica glass scaffolds: an experimental approach to learn about size effects in glasses. <i>Colloid and Polymer Science</i> , 2004, 282, 892-900.	2.1	10

#	ARTICLE	IF	CITATIONS
37	Template-assisted preparation of films of transparent conductive indium tin oxide. Superlattices and Microstructures, 2008, 44, 686-692.	3.1	6
38	Low Temperature Reaction of Molecular Zinc Oxide Precursors in Ionic Liquids Leading to Ionogel Nanoparticles with Shape Anisotropy. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 93-100.	1.2	6
39	Ionic Liquids for the Convenient Synthesis of Functional Nanoparticles and Other Inorganic Nanostructures. ChemInform, 2004, 35, no.	0.0	1
40	Tayloring the Photocatalytical Activity of Anatase TiO ₂ Thin Film Electrodes by Three-Dimensional Mesoporosity. Solid State Phenomena, 2010, 162, 91-113.	0.3	1
41	Evaporation-Induced Self-Assembly for the Preparation of Porous Metal Oxide Films. , 0, , 283-312.		0