

Dirk Enke

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

939
citations

687363

13
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

1090
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous glasses in the 21st century—a short review. <i>Microporous and Mesoporous Materials</i> , 2003, 60, 19-30.	4.4	237
2	Manipulating the Crystalline State of Pharmaceuticals by Nanoconfinement. <i>Nano Letters</i> , 2007, 7, 1381-1385.	9.1	156
3	Stabilization of the amorphous state of pharmaceuticals in nanopores. <i>Journal of Materials Chemistry</i> , 2008, 18, 2537.	6.7	125
4	Microimaging of Transient Concentration Profiles of Reactant and Product Molecules during Catalytic Conversion in Nanoporous Materials. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5060-5064.	13.8	62
5	Generation of High Quality Biogenic Silica by Combustion of Rice Husk and Rice Straw Combined with Pre- and Post-Treatment Strategies—A Review. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1083.	2.5	61
6	Ash transformation mechanism during combustion of rice husk and rice straw. <i>Fuel</i> , 2022, 307, 121768.	6.4	41
7	Characterization of Biogenic Silica Generated by Thermo Chemical Treatment of Rice Husk. <i>Particulate Science and Technology</i> , 2013, 31, 524-532.	2.1	40
8	Rice Husk Derived Porous Silica as Support for Pd and CeO ₂ for Low Temperature Catalytic Methane Combustion. <i>Catalysts</i> , 2019, 9, 26.	3.5	30
9	Behavior of Metal Impurities on Surface and Bulk of Biogenic Silica from Rice Husk Combustion and the Impact on Ash-Melting Tendency. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10369-10379.	6.7	22
10	One-Step Measurement of Effectiveness Factors of Chemical Conversion in Porous Catalysts. <i>ChemCatChem</i> , 2018, 10, 5602-5609.	3.7	17
11	Investigation of the formation process of highly porous γ -Al ₂ O ₃ via citric acid-assisted sol-gel synthesis. <i>Journal of the European Ceramic Society</i> , 2019, 39, 2493-2502.	5.7	16
12	Improving mass-transfer in controlled pore glasses as supports for the platinum-catalyzed aromatics hydrogenation. <i>Catalysis Science and Technology</i> , 2015, 5, 3137-3146.	4.1	15
13	Capillary Nanostamping with Spongy Mesoporous Silica Stamps. <i>Advanced Functional Materials</i> , 2018, 28, 1800700.	14.9	15
14	Sol-gel synthesis of γ -Al ₂ O ₃ with enhanced porosity via dicarboxylic acid templating. <i>Scientific Reports</i> , 2019, 9, 19982.	3.3	13
15	A novel approach for advanced thermoporometry characterization of mesoporous solids: Transition kernels and the serially connected pore model. <i>Microporous and Mesoporous Materials</i> , 2020, 309, 110534.	4.4	13
16	Impact of Geometrical Disorder on Phase Equilibria of Fluids and Solids Confined in Mesoporous Materials. <i>Langmuir</i> , 2021, 37, 3521-3537.	3.5	12
17	Comparative Gas Sorption and Cryoporometry Study of Mesoporous Glass Structure: Application of the Serially Connected Pore Model. <i>Frontiers in Chemistry</i> , 2019, 7, 230.	3.6	11
18	Towards Macroporous γ -Al ₂ O ₃ —Routes, Possibilities and Limitations. <i>Materials</i> , 2020, 13, 1787.	2.9	9

#	ARTICLE	IF	CITATIONS
19	Reticulated Alumina Replica Foams with Additional Submicrometer Strut Porosity. <i>Advanced Engineering Materials</i> , 2019, 21, 1900791.	3.5	8
20	Concentration-Dependent Self-Diffusion of Water in Aqueous Solutions of Lithium Chloride Confined to Porous Glasses. <i>Applied Magnetic Resonance</i> , 2013, 44, 827-836.	1.2	7
21	New fuel indexes to predict ash behavior for biogenic silica production. <i>Fuel</i> , 2022, 310, 122345.	6.4	6
22	Synthese von porösen Voll- und Core-Shell-Glaskugeln zur Trennung von chiralen Anästhetika. <i>Chemie-Ingenieur-Technik</i> , 2016, 88, 1761-1769.	0.8	5
23	On the Comparative Analysis of Different Phase Coexistences in Mesoporous Materials. <i>Materials</i> , 2022, 15, 2350.	2.9	3
24	Valorization of Residues from Energy Conversion of Biomass for Advanced and Sustainable Material Applications. <i>Sustainability</i> , 2022, 14, 4939.	3.2	2
25	Nano-casted N-Doped Carbon Created From a Task-Specific Protic Salt and Controlled Porous Glass. <i>Frontiers in Chemistry</i> , 2019, 7, 767.	3.6	1
26	Confinement-induced polymorphism in acetylsalicylic acid-nanoporous glass composites. <i>Journal of Materials Science</i> , 2019, 54, 404-413.	3.7	1
27	Non-aqueous cross hydrolysis: an epoxide-free sol-gel route toward highly porous alumina monoliths. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 99, 457-460.	2.4	0