Pegie Cool

List of Publications by Year in descending order

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254 papers	9,424 citations	41258 49 h-index	56606 83 g-index
258 all docs	258 docs citations	258 times ranked	11307 citing authors

#	Article	IF	Citations
1	Mesoporous CuO/TiO2 catalysts prepared by the ammonia driven deposition precipitation method for CO preferential oxidation: Effect of metal loading. Fuel, 2022, 311, 122491.	3.4	12
2	ZnAl layered double hydroxide based catalysts (with Cu, Mn, Ti) used as noble metal-free three-way catalysts. Applied Clay Science, 2022, 217, 106390.	2.6	5
3	Efficient degradation and mineralization of diclofenac in water on ZnMe (Me: Al; Co; Ga) layered double hydroxides and derived mixed oxides as novel photocatalysts. Comptes Rendus Chimie, 2022, 25, 51-67.	0.2	0
4	Use of Nanoscale Carbon Layers on Ag-Based Gas Diffusion Electrodes to Promote CO Production. ACS Applied Nano Materials, 2022, 5, 7723-7732.	2.4	3
5	Atomic-scale detection of individual lead clusters confined in Linde Type A zeolites. Nanoscale, 2022, 14, 9323-9330.	2.8	2
6	Towards Highly Loaded and Finely Dispersed CuO Catalysts via ADP: Effect of the Alumina Support. Catalysts, 2022, 12, 628.	1.6	1
7	Binary icosahedral clusters of hard spheres in spherical confinement. Nature Physics, 2021, 17, 128-134.	6.5	42
8	Gold and Silver-Catalyzed Reductive Amination of Aromatic Carboxylic Acids to Benzylic Amines. ACS Catalysis, 2021, 11, 7672-7684.	5.5	18
9	Quantitative 3D real-space analysis of Laves phase supraparticles. Nature Communications, 2021, 12, 3980.	5.8	12
10	Mapping Compositionâ€“Selectivity Relationships of Supported Sub-10 nm Cuâ€“Ag Nanocrystals for High-Rate CO₂ Electroreduction. ACS Nano, 2021, 15, 14858-14872.	7.3	28
11	Development of monodisperse porous microspheres of MgAl-layered double hydroxide by droplet coagulation. Powder Technology, 2021, 391, 334-343.	2.1	5
12	A hyperbranched polymer synthetic strategy for the efficient fixation of metal species within nanoporous structures: Application in automotive catalysis. Chemical Engineering Journal, 2021, 421, 129496.	6.6	9
13	Layer-by-Layer-Stabilized Plasmonic Gold-Silver Nanoparticles on TiO2: Towards Stable Solar Active Photocatalysts. Nanomaterials, 2021, 11, 2624.	1.9	7
14	Interface Pattern Engineering in Coreâ€Shell Upconverting Nanocrystals: Shedding Light on Critical Parameters and Consequences for the Photoluminescence Properties. Small, 2021, 17, e2104441.	5.2	17
15	Interface Pattern Engineering in Coreâ€Shell Upconverting Nanocrystals: Shedding Light on Critical Parameters and Consequences for the Photoluminescence Properties (Small 47/2021). Small, 2021, 17, 2170246.	5.2	0
16	In-depth structural characterization and magnetic properties of quaternary ferrite systems Co0.5Zn0.25M0.25Fe2O4 (MÂ= Ni, Cu, Mn, Mg). Journal of Alloys and Compounds, 2020, 816, 152674.	2.8	9
17	Bifunctional Nickelâ€“Nitrogen-Doped-Carbon-Supported Copper Electrocatalyst for CO₂Reduction. Journal of Physical Chemistry C, 2020, 124, 1369-1381.	1.5	23
18	Ferrite@TiO2-nanocomposites as Z-scheme photocatalysts for CO2 conversion: Insight into the correlation of the Co-Zn metal composition and the catalytic activity. Journal of CO2 Utilization, 2020, 36, 177-186.	3.3	26

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19	Copper-Containing Mixed Metal Oxides (Al, Fe, Mn) for Application in Three-Way Catalysis. Catalysts, 2020, 10, 1344.	1.6	16
20	ZnTi layered double hydroxides as photocatalysts for salicylic acid degradation under visible light irradiation. Applied Clay Science, 2020, 197, 105757.	2.6	11
21	Fast Electron Tomography for Nanomaterials. Journal of Physical Chemistry C, 2020, 124, 27276-27286.	1.5	30
22	The Potential Use of Core-Shell Structured Spheres in a Packed-Bed DBD Plasma Reactor for CO2 Conversion. Catalysts, 2020, 10, 530.	1.6	9
23	Porphyrin functionalized bismuth ferrite for enhanced solar light photocatalysis. Dalton Transactions, 2020, 49, 8652-8660.	1.6	11
24	Plasmonic gold-embedded TiO2 thin films as photocatalytic self-cleaning coatings. Applied Catalysis B: Environmental, 2020, 267, 118654.	10.8	61
25	Harvesting solar light on a tandem of Pt or Pt-Ag nanoparticles on layered double hydroxides photocatalysts for p-nitrophenol degradation in water. Applied Clay Science, 2019, 182, 105250.	2.6	22
26	Design of Ti-Beta zeolites with high Ti loading and tuning of their hydrophobic/hydrophilic character. Microporous and Mesoporous Materials, 2019, 288, 109588.	2.2	23
27	Unraveling Structural Information of Turkevich Synthesized Plasmonic Goldâ€“Silver Bimetallic Nanoparticles. Small, 2019, 15, e1902791.	5.2	33
28	Electron Transfer and Near-Field Mechanisms in Plasmonic Gold-Nanoparticle-Modified TiO₂ Photocatalytic Systems. ACS Applied Nano Materials, 2019, 2, 4067-4074.	2.4	34
29	How process parameters and packing materials tune chemical equilibrium and kinetics in plasma-based CO2 conversion. Chemical Engineering Journal, 2019, 372, 1253-1264.	6.6	56
30	CuO/La0.5Sr0.5CoO3 nanocomposites in TWC. Applied Catalysis B: Environmental, 2019, 255, 117753.	10.8	19
31	Chemical and Structural Configuration of Pt-Doped Metal Oxide Thin Films Prepared by Atomic Layer Deposition. Chemistry of Materials, 2019, 31, 9673-9683.	3.2	8
32	Dynamic adsorptionâ€“desorption of methyl ethyl ketone on MCM-41 and SBA-15 decorated with thermally activated polymers. Journal of Industrial and Engineering Chemistry, 2019, 71, 465-480.	2.9	15
33	Template-free aqueous tape casting of hydrothermally synthesized barium titanate powder and the fabrication of highly {001}-{100} textured tapes. Ceramics International, 2018, 44, 9720-9727.	2.3	3
34	Characterization of silver-polymer coreâ€“shell nanoparticles using electron microscopy. Nanoscale, 2018, 10, 9186-9191.	2.8	11
35	Surface modified titanium dioxide using transition metals: nickel as a winning transition metal for solar light photocatalysis. Journal of Materials Chemistry A, 2018, 6, 9882-9892.	5.2	43
36	Inâ€…Situ Synthesis of Bi₂O₃ Nanoparticles on ZincMe (Me=Al or Cr) Layered Double Hydroxide Frameworks forâ€‰Photocatalytic Oxygen Evolution from Water under Solarâ€‰Light Activation. ChemCatChem, 2018, 10, 1598-1606.	1.8	4

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37	Novel magnetic nanocomposites containing quaternary ferrites systems Co0.5Zn0.25M0.25Fe2O4 (Mâ€ =â€ Ni, Cu, Mn, Mg) and TiO2-anatase phase as photocatalysts for wastewater remediation under solar light irradiation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 230, 1-7.	1.7	48
38	A packed-bed DBD micro plasma reactor for CO2 dissociation: Does size matter?. Chemical Engineering Journal, 2018, 348, 557-568.	6.6	115
39	PGM-free CuO/LaCoO3 nanocomposites: New opportunities for TWC application. Applied Catalysis B: Environmental, 2018, 227, 446-458.	10.8	52
40	Preparation of CuO/SBA-15 catalyst by the modified ammonia driven deposition precipitation method with a high thermal stability and an efficient automotive CO and hydrocarbons conversion. Applied Catalysis B: Environmental, 2018, 223, 103-115.	10.8	30
41	Balancing nanotoxicity and returns in health applications: The Prisonerâ€™s Dilemma. Toxicology, 2018, 393, 83-89.	2.0	7
42	Insights into phosphate adsorption behavior on structurally modified ZnAl layered double hydroxides. Applied Clay Science, 2018, 165, 234-246.	2.6	82
43	Silver-polymer core-shell nanoparticles for ultrastable plasmon-enhanced photocatalysis. Applied Catalysis B: Environmental, 2017, 200, 31-38.	10.8	48
44	Automated discrete electron tomographyÂâ€“ Towards routine high-fidelity reconstruction of nanomaterials. Ultramicroscopy, 2017, 175, 87-96.	0.8	27
45	Cu@LaNiO 3 based nanocomposites in TWC applications. Applied Catalysis B: Environmental, 2017, 209, 214-227.	10.8	39
46	Gas phase photocatalytic spiral reactor for fast and efficient pollutant degradation. Chemical Engineering Journal, 2017, 316, 850-856.	6.6	32
47	Catalytic activity of cobalt grafted on ordered mesoporous silica materials in N2O decomposition and CO oxidation. Molecular Catalysis, 2017, 437, 57-72.	1.0	13
48	Price tag in nanomaterials?. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	19
49	Synthesis of L-serine modified benzene bridged periodic mesoporous organosilica and its catalytic performance towards aldol condensations. Microporous and Mesoporous Materials, 2017, 251, 1-8.	2.2	14
50	Mechanistic Insight into the Photocatalytic Working of Fluorinated Anatase {001} Nanosheets. Journal of Physical Chemistry C, 2017, 121, 26275-26286.	1.5	23
51	Plasmonic Near-Field Localization of Silver Coreâ€“Shell Nanoparticle Assemblies via Wet Chemistry Nanogap Engineering. ACS Applied Materials & Interfaces, 2017, 9, 41577-41585.	4.0	34
52	Tuning component enrichment in amino acid functionalized (organo)silicas. Catalysis Communications, 2017, 88, 85-89.	1.6	10
53	Molten-salt synthesis of tetragonal micron-sized barium titanate from a peroxo-hydroxide precursor. Advanced Powder Technology, 2017, 28, 146-154.	2.0	6
54	A framework for health-related nanomaterial grouping. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1478-1485.	1.1	5

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55	A Green Route to Copper Loaded Silica Nanoparticles Using Hyperbranched Poly(Ethylene Imine) as a Biomimetic Template: Application in Heterogeneous Catalysis. Catalysts, 2017, 7, 390.	1.6	8
56	Comparison between a Water-Based and a Solvent-Based Impregnation Method towards Dispersed CuO/SBA-15 Catalysts: Texture, Structure and Catalytic Performance in Automotive Exhaust Gas Abatement. Catalysts, 2016, 6, 164.	1.6	14
57	Synthesis of aluminum-containing hierarchical mesoporous materials with columnar mesopore ordering by evaporation induced self-assembly. Microporous and Mesoporous Materials, 2016, 234, 186-195.	2.2	7
58	Hyperbranched polyethyleneimine towards the development of homogeneous and highly porous CuOâ€“CeO2â€“SiO2 catalytic materials. Chemical Engineering Journal, 2016, 300, 343-357.	6.6	14
59	Quaternary M0.25Cu0.25Mg0.5Fe2O4 (M=Ni, Zn, Co, Mn) ferrite oxides: Synthesis, characterization and magnetic properties. Materials Research Bulletin, 2016, 81, 63-70.	2.7	21
60	Hydrothermal synthesis and formation mechanism of tetragonal barium titanate in a highly concentrated alkaline solution. Ceramics International, 2016, 42, 10967-10975.	2.3	35
61	Post-synthesis bromination of benzene bridged PMO as a way to create a high potential hybrid material. Microporous and Mesoporous Materials, 2016, 236, 244-249.	2.2	9
62	Metal loaded nanoporous silicas with tailor-made properties through hyperbranched polymer assisted templating approaches. Microporous and Mesoporous Materials, 2016, 235, 107-119.	2.2	11
63	Plasmonic â€˜rainbowâ€™ photocatalyst with broadband solar light response for environmental applications. Applied Catalysis B: Environmental, 2016, 188, 147-153.	10.8	49
64	Texturing of hydrothermally synthesized BaTiO3 in a strong magnetic field by slip casting. Ceramics International, 2016, 42, 5382-5390.	2.3	14
65	Nano - patents and Literature Frequency as Statistical Innovation Indicator for the use of Nano - porous Material in Three Major Sectors: Medicine, Energy and Environment. Journal of Engineering Science and Technology Review, 2016, 9, 24-35.	0.2	5
66	Catalytic activity of rhodium grafted on ordered mesoporous silica materials modified with aluminum in N2O decomposition. Catalysis Today, 2015, 257, 51-58.	2.2	11
67	Novel method to synthesize highly ordered ethane-bridged PMOs under mild acidic conditions: Taking advantages of phosphoric acid. Microporous and Mesoporous Materials, 2015, 207, 61-70.	2.2	6
68	Hydrothermally synthesized BaTiO3 textured in a strong magnetic field. Ceramics International, 2015, 41, 5397-5402.	2.3	8
69	Photo-responsive behavior of Î³-Fe2O3 NPs embedded into ZnAlFe-LDH matrices and their catalytic efficiency in wastewater remediation. Catalysis Today, 2015, 252, 7-13.	2.2	32
70	Asymmetric dyes align inside carbon nanotubes to yield a large nonlinear optical response. Nature Nanotechnology, 2015, 10, 248-252.	15.6	88
71	New insights into the mesophase transformation of ethane-bridged PMOs by the influence of different counterions under basic conditions. RSC Advances, 2015, 5, 5553-5562.	1.7	6
72	Self-Assembly of Pluronic F127â€”Silica Spherical Coreâ€“Shell Nanoparticles in Cubic Close-Packed Structures. Chemistry of Materials, 2015, 27, 5161-5169.	3.2	47

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73	Direct-synthesis method towards copper-containing periodic mesoporous organosilicas: detailed investigation of the copper distribution in the material. Dalton Transactions, 2015, 44, 9970-9979.	1.6	11
74	The ASTRA Toolbox: A platform for advanced algorithm development in electron tomography. Ultramicroscopy, 2015, 157, 35-47.	0.8	652
75	Glycerol-derived Mesoporous Carbon: N2-sorption and SAXS Data Evaluation. Materials Today: Proceedings, 2015, 2, 3836-3845.	0.9	4
76	ZnTiLDH and the Derived Mixed Oxides as Mesoporous Nanoarchitectonics with Photocatalytic Capabilities. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 259-266.	1.9	29
77	Photocatalytic removal of phenol and methylene-blue in aqueous media using TiO2@LDH clay nanocomposites. Catalysis Today, 2015, 252, 120-127.	2.2	107
78	LDH and TiO2/LDH-type nanocomposite systems: A systematic study on structural characteristics. Microporous and Mesoporous Materials, 2015, 203, 208-215.	2.2	47
79	Pore REconstruction and Segmentation (PORES) method for improved porosity quantification of nanoporous materials. Ultramicroscopy, 2015, 148, 10-19.	0.8	7
80	Fabrication of CeO2/LDHs self-assemblies with enhanced photocatalytic performance: A case study on ZnSn-LDH matrix. Applied Catalysis B: Environmental, 2015, 164, 251-260.	10.8	71
81	Assemblies of nanoparticles of CeO2â€“ZnTi-LDHs and their derived mixed oxides as novel photocatalytic systems for phenol degradation. Applied Catalysis B: Environmental, 2014, 150-151, 157-166.	10.8	99
82	Iron exchanged ZSM-5 and Y zeolites calcined at different temperatures: activity in N2O decomposition. Journal of Porous Materials, 2014, 21, 91-98.	1.3	23
83	Zeolite Î² nanoparticles based bimodal structures: Mechanism and tuning of the porosity and zeolitic properties. Microporous and Mesoporous Materials, 2014, 185, 204-212.	2.2	12
84	Catalytic decomposition and reduction of N2O over micro-mesoporous materials containing Beta zeolite nanoparticles. Applied Catalysis B: Environmental, 2014, 146, 112-122.	10.8	50
85	In situ IR spectroscopic study to reveal the impact of the synthesis conditions of zeolite Î² nanoparticles on the acidic properties of the resulting zeolite. Chemical Engineering Journal, 2014, 237, 372-379.	6.6	39
86	Probing frameworkâ€“guest interactions in phenylene-bridged periodic mesoporous organosilica using spin-probe EPR. Physical Chemistry Chemical Physics, 2014, 16, 22623-22631.	1.3	11
87	Threeâ€Dimensional Characterization of Nobleâ€Metal Nanoparticles and their Assemblies by Electron Tomography. Angewandte Chemie - International Edition, 2014, 53, 10600-10610.	7.2	59
88	Atomic layer deposition-based tuning of the pore size in mesoporous thin films studied by in situ grazing incidence small angle X-ray scattering. Nanoscale, 2014, 6, 14991-14998.	2.8	44
89	Synthesis and Characterization of Photoreactive TiO₂â€“Carbon Nanosheet Composites. Journal of Physical Chemistry C, 2014, 118, 21031-21037.	1.5	8
90	Demonstrating the Benefits and Pitfalls of Various Acidity Characterization Techniques by a Case Study on Bimodal Aluminosilicates. Langmuir, 2014, 30, 1880-1887.	1.6	12

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91	Pt-doped semiconductive oxides loaded on mesoporous SBA-15 for gas sensing. Comptes Rendus Chimie, 2014, 17, 717-724.	0.2	12
92	Photocatalytic acetaldehyde oxidation in air using spacious TiO2 films prepared by atomic layer deposition on supported carbonaceous sacrificial templates. Applied Catalysis B: Environmental, 2014, 160-161, 204-210.	10.8	37
93	Synthesis and characterization of catalytic metal semiconductor-doped siliceous materials with ordered structure for chemical sensoring. Journal of Porous Materials, 2013, 20, 1119-1128.	1.3	2
94	Effects of copper and vanadium deposition in multi-walled hydrogen trititanate and mixed-phase anatase/trititanate nanotubes. Dalton Transactions, 2013, 42, 12148.	1.6	2
95	Mgâ€“Al and Znâ€“Fe layered double hydroxides used for organic species storage and controlled release. Materials Science and Engineering C, 2013, 33, 5071-5078.	3.8	22
96	The influence of the Ti4+ location on the formation of self-assembled nanocomposite systems based on TiO2 and Mg/Al-LDHs with photocatalytic properties. Applied Catalysis B: Environmental, 2013, 134-135, 274-285.	10.8	56
97	Hierarchical materials originated from mesoporous MCF material and Beta zeolite nanoparticles â€“ synthesis and catalytic activity in N2O decomposition. Journal of the Chinese Advanced Materials Society, 2013, 1, 48-55.	0.7	3
98	Synthesis of uniformly dispersed anatase nanoparticles inside mesoporous silica thin films via controlled breakup and crystallization of amorphous TiO2 deposited using atomic layer deposition. Nanoscale, 2013, 5, 5001.	2.8	23
99	Investigation on the Low-Temperature Transformations of Poly(furfuryl alcohol) Deposited on MCM-41. Langmuir, 2013, 29, 3045-3053.	1.6	23
100	Hydrothermal synthesis of a concentrated and stable dispersion of TiO2 nanoparticles. Chemical Engineering Journal, 2013, 223, 135-144.	6.6	31
101	Controlling pore size and uniformity of mesoporous titania by early stage low temperature stabilization. Journal of Colloid and Interface Science, 2013, 391, 36-44.	5.0	15
102	Influence of Synthesis Conditions on Properties of Ethane-Bridged Periodic Mesoporous Organosilica Materials as Revealed by Spin-Probe EPR. Journal of Physical Chemistry C, 2013, 117, 22723-22731.	1.5	9
103	Microvolume TOC Analysis as Useful Tool in the Evaluation of Lab Scale Photocatalytic Processes. Catalysts, 2013, 3, 74-87.	1.6	6
104	Thermal transformation of polyacrylonitrile deposited on SBA-15 type silica. Journal of Thermal Analysis and Calorimetry, 2012, 110, 119-125.	2.0	35
105	New nano-architectures of mesoporous silica spheres analyzed by advanced electron microscopy. Nanoscale, 2012, 4, 1722.	2.8	4
106	Layered double hydroxides reconstructed in calcium glutamate aqueous solution as a complex delivery system. Applied Clay Science, 2012, 65-66, 37-42.	2.6	10
107	Is their potential for post-synthetic brominating reactions on benzene bridged PMOs?. Microporous and Mesoporous Materials, 2012, 164, 49-55.	2.2	5
108	New Operando IR Technique to Study the Photocatalytic Activity and Selectivity of TiO₂ Nanotubes in Air Purification: Influence of Temperature, UV Intensity, and VOC Concentration. Journal of Physical Chemistry C, 2012, 116, 13252-13263.	1.5	62

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109	Experimental and statistical modeling study of low coverage gas adsorption of light alkanes on meso-microporous silica. Chemical Engineering Journal, 2012, 179, 52-62.	6.6	10
110	Hydrothermal synthesis of carbonate-free submicron-sized barium titanate from an amorphous precursor: Synthesis and characterization. Ceramics International, 2012, 38, 619-625.	2.3	13
111	The impact of framework organic functional groups on the hydrophobicity and overall stability of mesoporous silica materials. Materials Chemistry and Physics, 2012, 132, 1077-1088.	2.0	20
112	Preparation of barium titanate powders and colloidal processing in a strong (9.4T) magnetic field. Materials Letters, 2012, 67, 154-157.	1.3	9
113	A short solid-state synthesis leading to titanate compounds with porous structure and nanosheet morphology. Microporous and Mesoporous Materials, 2012, 147, 53-58.	2.2	13
114	Systematic evaluation of thermal and mechanical stability of different commercial and synthetic photocatalysts in relation to their photocatalytic activity. Microporous and Mesoporous Materials, 2012, 156, 62-72.	2.2	9
115	Formation of a Ti-siliceous trimodal material with macroholes, mesopores and zeolitic features via a one-pot templating synthesis. Journal of Porous Materials, 2012, 19, 153-160.	1.3	3
116	Immersion Calorimetry as a Tool To Evaluate the Catalytic Performance of Titanosilicate Materials in the Epoxidation of Cyclohexene. Langmuir, 2011, 27, 3618-3625.	1.6	26
117	Unraveling the Photocatalytic Activity of Multiwalled Hydrogen Trititanate and Mixed-Phase Anatase/Trititanate Nanotubes: A Combined Catalytic and EPR Study. Journal of Physical Chemistry C, 2011, 115, 2302-2313.	1.5	22
118	Synthesis and catalytic applications of combined zeolitic/mesoporous materials. Beilstein Journal of Nanotechnology, 2011, 2, 785-801.	1.5	44
119	Influence of Surfactant Concentration on the Surface Morphology of Hollow Silica Microspheres and Its Explanation. Microscopy and Microanalysis, 2011, 17, 766-771.	0.2	6
120	Influence of ammonia concentration on the formation of hollow silica microspheres via polystyrene beads templating. International Journal of Materials Research, 2011, 102, 1488-1492.	0.1	4
121	Removal of methylâ€“ethyl ketone vapour on polyacrylonitrile-derived carbon/mesoporous silica nanocomposite adsorbents. Microporous and Mesoporous Materials, 2011, 145, 65-73.	2.2	17
122	Mechanistic study of hydrocarbon formation in photocatalytic CO2 reduction over Ti-SBA-15. Journal of Catalysis, 2011, 284, 1-8.	3.1	118
123	The benefit of glass bead supports for efficient gas phase photocatalysis: Case study of a commercial and a synthesised photocatalyst. Chemical Engineering Journal, 2011, 174, 318-325.	6.6	55
124	Smart heating profiles for the synthesis of benzene bridged periodic mesoporous organosilicas. Chemical Engineering Journal, 2011, 175, 585-591.	6.6	6
125	SBA-15 mesoporous silica modified with rhodium by MDD method and its catalytic role for N2O decomposition reaction. Journal of Porous Materials, 2011, 18, 483-491.	1.3	30
126	Integrating efficient filtration and visible-light photocatalysis by loading Ag-doped zeolite Y particles on filtration membrane of alumina nanofibers. Journal of Membrane Science, 2011, 375, 69-74.	4.1	27

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127	New Insights in the Formation of Combined Zeolitic/Mesoporous Materials by using a Oneâ€Pot Templating Synthesis. European Journal of Inorganic Chemistry, 2011, 2011, 4234-4240.	1.0	14
128	Olefin isomerization reactions catalyzed by ruthenium hydrides bearing Schiff base ligands. Applied Organometallic Chemistry, 2011, 25, 601-607.	1.7	11
129	Influence of silica forming media on the synthesis of hollow silica microspheres. Microporous and Mesoporous Materials, 2011, 138, 17-21.	2.2	5
130	ZnO nanoparticles supported on mesoporous MCM-41 and SBA-15: a comparative physicochemical and photocatalytic study. Journal of Materials Science, 2010, 45, 5786-5794.	1.7	76
131	Threeâ€Dimensional Characterization of Helical Silver Nanochains Mediated by Protein Assemblies. Advanced Materials, 2010, 22, 2193-2197.	11.1	59
132	SBA-15 mesoporous silica modified with metal oxides by MDD method in the role of DeNOx catalysts. Microporous and Mesoporous Materials, 2010, 127, 133-141.	2.2	54
133	Textural property tuning of ordered mesoporous carbon obtained by glycerol conversion using SBA-15 silica as template. Carbon, 2010, 48, 1609-1618.	5.4	61
134	New TiO₂/MgAl-LDH Nanocomposites for the Photocatalytic Degradation of Dyes. Journal of Nanoscience and Nanotechnology, 2010, 10, 8227-8233.	0.9	31
135	Three-Dimensional Analysis of Carbon Nanotube Networks in Interconnects by Electron Tomography without Missing Wedge Artifacts. Microscopy and Microanalysis, 2010, 16, 210-217.	0.2	47
136	The use of small volume TOC analysis as complementary, indispensable tool in the evaluation of photocatalysts at lab-scale. Studies in Surface Science and Catalysis, 2010, 175, 321-324.	1.5	1
137	Self-Assembly and Diffusion of Block Copolymer Templates in SBA-15 Nanochannels. Journal of Physical Chemistry B, 2010, 114, 4223-4229.	1.2	21
138	Accessibility and Dispersion of Vanadyl Sites of Vanadium Silicate-1 Nanoparticles Deposited in SBA-15. Journal of Physical Chemistry C, 2010, 114, 12966-12975.	1.5	12
139	Benefit of Microscopic Diffusion Measurement for the Characterization of Nanoporous Materials. Chemical Engineering and Technology, 2009, 32, 1494-1511.	0.9	28
140	A scanning electron microscopy study on hollow silica microspheres: defects and influences of the synthesis composition. Journal of Sol-Gel Science and Technology, 2009, 49, 373-379.	1.1	0
141	Synthesis, structural characterization and photocatalytic activity of Ti-MCM-41 mesoporous molecular sieves. Journal of Porous Materials, 2009, 16, 109-118.	1.3	13
142	Synthesis and structural investigations on aluminium-free Ti-Beta/SBA-15 composite. Microporous and Mesoporous Materials, 2009, 117, 458-465.	2.2	26
143	Verified syntheses of mesoporous materials. Microporous and Mesoporous Materials, 2009, 125, 170-223.	2.2	575
144	Formation of a combined micro- and mesoporous material using zeolite Beta nanoparticles. Microporous and Mesoporous Materials, 2009, 120, 29-34.	2.2	49

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145	Optimisation of the surface properties of SBA-15 mesoporous silica for in-situ nanoparticle synthesis. Microporous and Mesoporous Materials, 2009, 120, 2-6.	2.2	6
146	Combined TiO2/SiO2 mesoporous photocatalysts with location and phase controllable TiO2 nanoparticles. Applied Catalysis B: Environmental, 2009, 88, 515-524.	10.8	70
147	Quantitative Three-Dimensional Modeling of Zeotile Through Discrete Electron Tomography. Journal of the American Chemical Society, 2009, 131, 4769-4773.	6.6	66
148	Is There Any Microporosity in Ordered Mesoporous Silicas?. Langmuir, 2009, 25, 939-943.	1.6	55
149	Rapid microwave-assisted synthesis of benzene bridged periodic mesoporous organosilicas. Journal of Materials Chemistry, 2009, 19, 3042.	6.7	20
150	Direct spectroscopic detection of framework-incorporated vanadium in mesoporous silica materials. Physical Chemistry Chemical Physics, 2009, 11, 5823.	1.3	23
151	The influence of the cationic ratio on the incorporation of Ti4+ in the brucite-like sheets of layered double hydroxides. Microporous and Mesoporous Materials, 2008, 111, 12-17.	2.2	43
152	Mesoporous material formed by acidic hydrothermal assembly of silicalite-1 precursor nanoparticles in the absence of meso-templates. Microporous and Mesoporous Materials, 2008, 110, 77-85.	2.2	23
153	Influence of the synthesis parameters of TiO2â€“SBA-15 materials on the adsorption and photodegradation of rhodamine-6G. Microporous and Mesoporous Materials, 2008, 110, 100-110.	2.2	56
154	Development of photocatalytic efficient Ti-based nanotubes and nanoribbons by conventional and microwave assisted synthesis strategies. Microporous and Mesoporous Materials, 2008, 114, 401-409.	2.2	55
155	Multi-step loading of titania on mesoporous silica: Influence of the morphology and the porosity on the catalytic degradation of aqueous pollutants and VOCs. Applied Catalysis B: Environmental, 2008, 84, 125-132.	10.8	34
156	SnIV-containing layered double hydroxides as precursors for nano-sized ZnO/SnO2 photocatalysts. Applied Catalysis B: Environmental, 2008, 84, 699-705.	10.8	84
157	Znâ€“Al layered double hydroxides: Synthesis, characterization and photocatalytic application. Microporous and Mesoporous Materials, 2008, 113, 296-304.	2.2	210
158	The merging of silica-surfactant microspheres under hydrothermal conditions. Microporous and Mesoporous Materials, 2008, 116, 141-146.	2.2	8
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