Lubomira Tosheva

List of Publications by Year
in descending order

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Version: 2024-02-01

70 papers	2,966 citations	331670 21 h-index	161849 54 g-index
71 all docs	71 docs citations	71 times ranked	3548 citing authors

#	Article	IF	Citations
1	Nanozeolites:Â Synthesis, Crystallization Mechanism, and Applications. Chemistry of Materials, 2005, 17, 2494-2513.	6.7	1,050
2	Porous Nanosized Particles: Preparation, Properties, and Applications. Chemical Reviews, 2013, 113, 6734-6760.	47.7	511
3	Simultaneous removal of Cd(II), Co(II), Cu(II), Pb(II), and Zn(II) ions from aqueous solutions via adsorption on FAU-type zeolites prepared from coal fly ash. Journal of Environmental Chemical Engineering, 2020, 8, 103895.	6.7	129
4	Synthesis of Zeolite Nanocrystals at Room Temperature. Langmuir, 2005, 21, 10724-10729.	3.5	118
5	Silicalite-1 containing microspheres prepared using shape-directing macro-templates. Microporous and Mesoporous Materials, 2000, 35-36, 621-629.	4.4	110
6	Comparative Study of Nanoâ€ZSMâ€5 Catalysts Synthesized in OH^{â^'} and F^{â^'} Media. Advanced Functional Materials, 2014, 24, 257-264.	14.9	98
7	Zeolite beta spheres. Microporous and Mesoporous Materials, 2001, 48, 31-37.	4.4	64
8	Carbon spheres prepared from zeolite Beta beads. Carbon, 2005, 43, 2474-2480.	10.3	51
9	Silver confined within zeolite EMT nanoparticles: preparation and antibacterial properties. Nanoscale, 2014, 6, 10859-10864.	5.6	49
10	Toxicity and Antimicrobial Properties of ZnO@ZIF-8 Embedded Silicone against Planktonic and Biofilm Catheter-Associated Pathogens. ACS Applied Nano Materials, 2018, 1, 1657-1665.	5.0	41
11	AlPO₄-18 Seed Layers and Films by Secondary Growth. Chemistry of Materials, 2008, 20, 5721-5726.	6.7	37
12	Silicalite-1 macrostructures â€“ preparation and structural features. Microporous and Mesoporous Materials, 2000, 39, 91-101.	4.4	36
13	Micron- and nanosized FAU-type zeolites from fly ash for antibacterial applications. Journal of Materials Chemistry, 2012, 22, 16897.	6.7	32
14	Spherical silica macrostructures containing vanadium and tungsten oxides assembled by the resin templating method. Microporous and Mesoporous Materials, 2002, 55, 253-263.	4.4	29
15	Vanadium modified AlPO-5 spheres through resin macrotemplating. Microporous and Mesoporous Materials, 2003, 66, 321-329.	4.4	29
16	Carbon and SiC Macroscopic Beads from Ion-Exchange Resin Templates. Journal of the American Chemical Society, 2004, 126, 13624-13625.	13.7	29
17	Palladium-Containing Zeolite Beta Macrostructures Prepared by Resin Macrotemplating. Chemistry of Materials, 2002, 14, 4881-4885.	6.7	27
18	Effect of the zeolite crystal size on the structure and properties of carbon replicas made by a nanocasting process. Carbon, 2009, 47, 1066-1073.	10.3	26

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19	Zeolite-embedded silver extends antimicrobial activity of dental acrylics. Colloids and Surfaces B: Biointerfaces, 2019, 173, 52-57.	5.0	24
20	Meso/macroporous AlPO-5 spherical macrostructures tailored by resin templating. Microporous and Mesoporous Materials, 2005, 78, 181-188.	4.4	22
21	Rapid screening of the antimicrobial efficacy of Ag zeolites. Colloids and Surfaces B: Biointerfaces, 2017, 157, 254-260.	5.0	22
22	Silver zeolite-loaded silicone elastomers: a multidisciplinary approach to synthesis and antimicrobial assessment. RSC Advances, 2015, 5, 40932-40939.	3.6	21
23	Titania coating of mesoporous silica nanoparticles for improved biocompatibility and drug release within blood vessels. Acta Biomaterialia, 2018, 76, 208-216.	8.3	21
24	Reactive magnetron sputtering deposition of bismuth tungstate onto titania nanoparticles for enhancing visible light photocatalytic activity. Applied Surface Science, 2017, 392, 590-597.	6.1	20
25	Gravimetric and spectroscopic studies of the chemical combination of moisture by as-fired and reheated terracotta. Journal of the European Ceramic Society, 2010, 30, 1867-1872.	5.7	19
26	New Insights into Structural Alteration of Enamel Apatite Induced by Citric Acid and Sodium Fluoride Solutions. Journal of Physical Chemistry B, 2008, 112, 8840-8848.	2.6	18
27	Zeolite beta films synthesized from basic and near-neutral precursor solutions and gels. Materials Science and Engineering C, 2005, 25, 570-576.	7.3	17
28	Supported and self-bonded molecular sieve structures. Comptes Rendus Chimie, 2005, 8, 475-484.	0.5	17
29	Zeolite Beta Films Prepared via the Langmuirâ^'Blodgett Technique. Journal of Physical Chemistry C, 2007, 111, 12052-12057.	3.1	16
30	Silicalite-1 films with preferred orientation. Microporous and Mesoporous Materials, 2008, 116, 22-27.	4.4	16
31	Porous materials via egg-constituents templating. New Journal of Chemistry, 2008, 32, 1331.	2.8	16
32	Steam-assisted synthesis of zeolite films from spin-coated zeolite precursor coatings. Journal of Materials Chemistry, 2008, 18, 3563.	6.7	16
33	Indirect Observation of Structured Incipient Zeolite Nanoparticles in Clear Precursor Solutions. Angewandte Chemie - International Edition, 2008, 47, 8650-8653.	13.8	13
34	Monoparticulate films of polyaniline. Thin Solid Films, 2009, 517, 5459-5463.	1.8	13
35	TiO2 supported natural zeolites as biogas enhancers through photocatalytic pre-treatment of Miscanthus x giganteous crops. Energy, 2020, 205, 117954.	8.8	13
36	Amorphous very high surface area silica macrostructures. Journal of Materials Chemistry, 2000, 10, 2330-2337.	6.7	12

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37	ZSM-5 spheres prepared by resin templating. Studies in Surface Science and Catalysis, 2002, , 183-190.	1.5	12
38	Influence of the dispersion medium on the properties of spin-coated Silicalite-1 films. Microporous and Mesoporous Materials, 2007, 103, 296-301.	4.4	11
39	Synthesis of colloidal silicalite-1 at high temperatures. Microporous and Mesoporous Materials, 2014, 187, 71-76.	4.4	11
40	A Novel Technique for the Deposition of Bismuth Tungstate onto Titania Nanoparticulates for Enhancing the Visible Light Photocatalytic Activity. Coatings, 2016, 6, 29.	2.6	11
41	One-pot template extraction and alumination of BEC-type zeolite. Studies in Surface Science and Catalysis, 2007, 170, 616-621.	1.5	10
42	Real-time observation of aortic vessel dilation through delivery of sodium nitroprusside via slow release mesoporous nanoparticles. Journal of Colloid and Interface Science, 2016, 478, 127-135.	9.4	9
43	Methane oxidation over zeolite catalysts prepared from geothermal fluids. Microporous and Mesoporous Materials, 2019, 285, 56-60.	4.4	9
44	Application of Cu-FAU nanozeolites for decontamination of surfaces soiled with the ESKAPE pathogens. Microporous and Mesoporous Materials, 2017, 253, 233-238.	4.4	8
45	The denture microbiome in health and disease: an exploration of a unique community. Letters in Applied Microbiology, 2022, 75, 195-209.	2.2	8
46	EPR study on the chemistry and photochemistry of copper(II) dithiocarbamate mixed-ligand complexes. Applied Magnetic Resonance, 1996, 10, 151-157.	1.2	7
47	Characterisation and properties of visible light-active bismuth oxide-titania composite photocatalysts. Sustainable Materials and Technologies, 2019, 22, e00112.	3.3	7
48	FAU-Type Zeolite Synthesis from Clays and Its Use for the Simultaneous Adsorption of Five Divalent Metals from Aqueous Solutions. Materials, 2021, 14, 3738.	2.9	7
49	Tailored palladium containing silica spheres. Chemical Communications, 2001, , 1112-1113.	4.1	6
50	Room temperature synthesis: an efficient way for studying the zeolite formation. Studies in Surface Science and Catalysis, 2005, 158, 73-80.	1.5	6
51	Carbide, nitride and sulfide transition metal-based macrospheres. Journal of the European Ceramic Society, 2017, 37, 1127-1130.	5.7	6
52	Silicalite-1 synthesized with geothermal and Ludox colloidal silica and corresponding TiO2/silicalite-1 hybrid photocatalysts for VOC oxidation. Microporous and Mesoporous Materials, 2020, 302, 110202.	4.4	6
53	Modified colloidal silicalite-1 crystals and their use for preparation of Langmuir-Blodgett films. Studies in Surface Science and Catalysis, 2007, , 577-584.	1.5	5
54	Titanium silicalite-1 macrostructures for photocatalytic removal of organic pollutants from aqueous media. Journal of Porous Materials, 2016, 23, 1421-1429.	2.6	5

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55	Synergistic Catalytic Effect of Sulphated Zirconiaâ€"HCl System for Levulinic Acid and Solid Residue Production Using Microwave Irradiation. Energies, 2021, 14, 1582.	3.1	5
56	Raman Scattering in Locally Inhomogeneous Oxide Crystals. Phase Transitions, 2003, 76, 17-32.	1.3	4
57	Effect of crystal morphology on the orientation of LTL-type zeolite films. Studies in Surface Science and Catalysis, 2005, 158, 367-374.	1.5	4
58	Tuning the composition of porous resin-templated TiO2 macrobeads for optimized photocatalytic performance. Catalysis Today, 2019, 326, 54-59.	4.4	4
59	Nanozeolites: Synthesis, Crystallization Mechanism, and Applications. ChemInform, 2005, 36, no.	0.0	3
60	Self-Bonded Zeolite Beta/MCM-41 Composite Spheres. Journal of Porous Materials, 2005, 12, 193-199.	2.6	3
61	Chromium containing zeolite beta macrostructures. Studies in Surface Science and Catalysis, 2002, 142, 1449-1455.	1.5	2
62	Silicalite-1 crystallization on glass fiber filter discs. Microporous and Mesoporous Materials, 2005, 81, 11-18.	4.4	2
63	MFI-type materials prepared by co-condensation synthesis approach. Catalysis Today, 2013, 204, 66-72.	4.4	2
64	Waste peat ash mineralogy and transformation to microporous zeolites. Fuel Processing Technology, 2019, 194, 106124.	7.2	2
65	Strategies Towards the Assembly of Preformed Zeolite Crystals into Supported Layers. , 2009, , 501-519.		2
66	A method for the preparation of silicalite-1 microspheres. Studies in Surface Science and Catalysis, 1999, 125, 21-28.	1.5	1
67	Options for the design of structured molecular sieve materials. Studies in Surface Science and Catalysis, 2002, , 1437-1448.	1.5	1
68	Scalable solvent-free synthesis of aggregated nanosized single-phase cancrinite zeolite. Materials Today Communications, 2022, 32, 103879.	1.9	1
69	Options for the Design of Structured Molecular Sieve Materials. ChemInform, 2003, 34, no.	0.0	0
70	Synthesis of Silicalite-1 films by a steam-assisted crystallization method. Studies in Surface Science and Catalysis, 2008, 174, 641-644.	1.5	0