Alenka RistiÄ

List of Publications by Year in descending order

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Version: 2024-02-01

61 papers	1,436 citations	304743 22 h-index	345221 36 g-index
65 all docs	65 docs citations	65 times ranked	1845 citing authors

#	Article	IF	Citations
1	TiO2â€“SiO2 films from organic-free colloidal TiO2 anatase nanoparticles as photocatalyst for removal of volatile organic compounds from indoor air. Applied Catalysis B: Environmental, 2016, 184, 119-131.	20.2	115
2	NMR Characterization and Rietveld Refinement of the Structure of Rehydrated AlPO4-34. Journal of Physical Chemistry B, 2000, 104, 5697-5705.	2.6	99
3	Titania versus zinc oxide nanoparticles on mesoporous silica supports as photocatalysts for removal of dyes from wastewater at neutral pH. Catalysis Today, 2018, 310, 32-41.	4.4	89
4	Superior Performance of Microporous Aluminophosphate with LTA Topology in Solarâ€Energy Storage and Heat Reallocation. Advanced Energy Materials, 2017, 7, 1601815.	19.5	86
5	The Performance of Smallâ€Pore Microporous Aluminophosphates in Lowâ€Temperature Solar Energy Storage: The Structureâ€“Property Relationship. Advanced Functional Materials, 2012, 22, 1952-1957.	14.9	80
6	Synergistic effect of CuO nanocrystals and Cu-oxo-Fe clusters on silica support in promotion of total catalytic oxidation of toluene as a model volatile organic air pollutant. Applied Catalysis B: Environmental, 2020, 268, 118749.	20.2	63
7	New two-component water sorbent CaCl2-FeKIL2 for solar thermal energy storage. Microporous and Mesoporous Materials, 2012, 164, 266-272.	4.4	46
8	Titania-containing mesoporous silica powders: Structural properties and photocatalytic activity towards isopropanol degradation. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 216, 167-178.	3.9	45
9	MnO_x Nanoparticles Supported on a New Mesostructured Silicate with Textural Porosity. Chemistry - A European Journal, 2010, 16, 5783-5793.	3.3	40
10	Glycerol acetylation on mesoporous KIL-2 supported sulphated zirconia catalysts. Catalysis Science and Technology, 2014, 4, 3993-4000.	4.1	40
11	31P NMR as a Tool for Studying Incorporation of Ni, Co, Fe, and Mn into Aluminophosphate Zeotypes. Journal of Physical Chemistry B, 2005, 109, 10711-10716.	2.6	39
12	Manganese modified zeolite silicalite-1 as polysulphide sorbent in lithium sulphur batteries. Journal of Power Sources, 2015, 274, 1239-1248.	7.8	35
13	Manganese-Containing Silica-Based Microporous Molecular Sieve MnS-1:â€‰ Synthesis and Characterization. Chemistry of Materials, 2003, 15, 4745-4750.	6.7	33
14	Improved performance of binder-free zeolite Y for low-temperature sorption heat storage. Journal of Materials Chemistry A, 2018, 6, 11521-11530.	10.3	33
15	Bimetal Cu-Mn porous silica-supported catalyst for Fenton-like degradation of organic dyes in wastewater at neutral pH. Catalysis Today, 2020, 358, 270-277.	4.4	32
16	Vapor-Phase Hydrogenation of Levulinic Acid to Î³-Valerolactone Over Bi-Functional Ni/HZSM-5 Catalyst. Frontiers in Chemistry, 2018, 6, 285.	3.6	30
17	A CoAPO-34 derived from a triclinic precursor prepared in the presence of HF. Zeolites, 1997, 18, 115-118.	0.5	27
18	Large-Pore FAPO-36:Â Synthesis and Characterization. Chemistry of Materials, 2003, 15, 3643-3649.	6.7	26

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19	Synthesis and structural investigations on aluminium-free Ti-Beta/SBA-15 composite. Microporous and Mesoporous Materials, 2009, 117, 458-465.	4.4	26
20	A pH dependent delivery of mesalazine from polymer coated and drug-loaded SBA-16 systems. European Journal of Pharmaceutical Sciences, 2016, 81, 75-81.	4.0	25
21	Synthesis and structural properties of titanium containing microporous/mesoporous silicate composite (Ti, Al)-Beta/MCM-48. Microporous and Mesoporous Materials, 2007, 99, 3-13.	4.4	24
22	Dehydration of AlPO₄-34 studied by variable-temperature NMR, XRD and first-principles calculations. New Journal of Chemistry, 2016, 40, 4178-4186.	2.8	24
23	Ironâ€Functionalized Silica Nanoparticles as a Highly Efficient Adsorbent and Catalyst for Toluene Oxidation in the Gas Phase. ChemCatChem, 2013, 5, 986-993.	3.7	22
24	Highly crystalline binder-free ZSM-5 granules preparation. Microporous and Mesoporous Materials, 2015, 213, 108-117.	4.4	21
25	Synthesis and characterization of triclinic MeAPO-34 (Me=Zn, Fe) molecular sieves. Microporous and Mesoporous Materials, 2002, 56, 303-315.	4.4	20
26	Thermal investigations of some AlPO and MeAPO materials prepared in the presence of HF. Thermochimica Acta, 1997, 306, 31-36.	2.7	19
27	Large-pore molecular sieve MnAPO-50: synthesis, single-crystal structure analysis and thermal stability. Microporous and Mesoporous Materials, 2000, 37, 303-311.	4.4	19
28	Thermal Energy Storage Materials (TESMs)â€”What Does It Take to Make Them Fly?. Crystals, 2021, 11, 1276.	2.2	18
29	Interaction of Dipropylamine Template Molecules with the Framework of as-Synthesized AlPO4-31. Journal of Physical Chemistry B, 2002, 106, 63-69.	2.6	17
30	Accurate Structural Description of the Two Nanoporous Fluorinated Aluminophosphates ULM-3(Al) and ULM-4(Al) by Solid-State NMR. Journal of Physical Chemistry C, 2012, 116, 21489-21498.	3.1	17
31	Sorption Composite Materials for Solar Thermal Energy Storage. Energy Procedia, 2014, 48, 977-981.	1.8	17
32	On the possibility of the preparation open framework manganese phosphate. Zeolites, 1996, 17, 304-309.	0.5	16
33	New Composite Water Sorbents CaCl2-PHTS for Low-Temperature Sorption Heat Storage: Determination of Structural Properties. Nanomaterials, 2019, 9, 27.	4.1	16
34	Autoreduction of Copper on Silica and Ironâ€Functionalized Silica Nanoparticles with Interparticle Mesoporosity. ChemCatChem, 2014, 6, 271-277.	3.7	15
35	Manganese-modified hexagonal mesoporous aluminophosphate MnHMA: Synthesis and characterization. Microporous and Mesoporous Materials, 2006, 96, 386-395.	4.4	14
36	IEA SHC Task 42 / ECES Annex 29 WG A1: Engineering and Processing of PCMs, TCMs and Sorption Materials. Energy Procedia, 2016, 91, 207-217.	1.8	14

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37	Kinetic analysis of temperature-induced transformation of zeolite 4A to low-carnegieite. Materials Chemistry and Physics, 2004, 86, 390-398.	4.0	12
38	Synthesis of biomass derived levulinate esters on novel sulfated Zr/KIL-2 composite catalysts. Microporous and Mesoporous Materials, 2016, 235, 50-58.	4.4	12
39	Design of Cobalt Functionalized Silica with Interparticle Mesoporosity as a Promising Catalyst for VOCs Decomposition. Catalysis Letters, 2014, 144, 1096-1100.	2.6	9
40	Investigations on iron substitution in VPI-5 and its redox behavior. Microporous and Mesoporous Materials, 2004, 76, 61-69.	4.4	8
41	Local environment of iron in the mesoporous hexagonal aluminophosphate catalyst. Microporous and Mesoporous Materials, 2005, 87, 52-58.	4.4	8
42	Local environment of isolated iron in mesoporous silicate catalyst FeTUD-1. Microporous and Mesoporous Materials, 2007, 104, 289-295.	4.4	8
43	The influence of microwave-assisted synthesis on nanocrystalline iron silicalite-1 particles. CrystEngComm, 2011, 13, 1946-1952.	2.6	8
44	Influence of the preparation method of sulfated zirconia nanoparticles for levulinic acid esterification. Reaction Kinetics, Mechanisms and Catalysis, 2017, 120, 55-67.	1.7	8
45	Incorporation of heteroatoms (Me=Zn, Co, Mn) into framework sites of the gallophosphate molecular sieve ULM-5. Microporous and Mesoporous Materials, 2002, 56, 257-266.	4.4	7
46	Kinetic Analysis of Isothermal Crystallization of Potassium Aluminosilicate Ceramics (Leucite and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 10, 838-844.	3.0	7
47	New Insights into Manganese Local Environment in MnS-1 Nanocrystals. Crystal Growth and Design, 2019, 19, 3130-3138.	3.0	7
48	Incorporation of Mn, Co and Zn cations into large-pore aluminophosphate molecular sieves MeAPO-50. Journal of Synchrotron Radiation, 2001, 8, 590-592.	2.4	6
49	Influence of Alumina Precursor Properties on Cu-Fe Alumina Supported Catalysts for Total Toluene Oxidation as a Model Volatile Organic Air Pollutant. Catalysts, 2021, 11, 252.	3.5	6
50	Evolution of Surface Catalytic Sites on Bimetal Silica-Based Fenton-Like Catalysts for Degradation of Dyes with Different Molecular Charges. Nanomaterials, 2020, 10, 2419.	4.1	6
51	Synthesis of Mesoporous Î³-Alumina Support for Water Composite Sorbents for Low Temperature Sorption Heat Storage. Energies, 2021, 14, 7809.	3.1	5
52	Evaluation of ZIF-8 and ZIF-90 as Heat Storage Materials by Using Water, Methanol and Ethanol as Working Fluids. Crystals, 2021, 11, 1422.	2.2	5
53	The influences of the way of preparation of Me-aluminosilicates (Me=Li, Na, K, Rb and Cs) on the products. Microporous and Mesoporous Materials, 2008, 112, 542-552.	4.4	4
54	The Activity of Iron-Containing Zeolitic Materials for the Catalytic Oxidation in Aqueous Solutions. Materials Science Forum, 2007, 555, 213-218.	0.3	3

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55	Functionalisation and Structure Characterisation of Porous Silicates and Aluminophosphates. , 2009, , 101-126.		3
56	Large-Pore FAPO-36: Synthesis and Characterization.. ChemInform, 2003, 34, no.	0.0	1
57	Manganese-Containing Silica-Based Microporous Molecular Sieve MnS-1: Synthesis and Characterization.. ChemInform, 2004, 35, no.	0.0	0
58	Deposition of Ti-modified aluminium-free zeolite Beta on SBA-15. Studies in Surface Science and Catalysis, 2008, , 217-220.	1.5	0
59	Microwave synthesis of nanosized VS-1 and the preparation of thin film. Studies in Surface Science and Catalysis, 2008, 174, 365-368.	1.5	0
60	Tailoring Water Adsorption Capacity of APO-Tric. Crystals, 2021, 11, 773.	2.2	0
61	New Water Adsorbent for Adsorption Driven Chillers. , 2018, , .		0