

# Alenka RistiÄ

## List of Publications by Year in descending order

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61  
papers

1,436  
citations

304743

22  
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345221

36  
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65  
all docs

65  
docs citations

65  
times ranked

1845  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Alumina Precursor Properties on Cu-Fe Alumina Supported Catalysts for Total Toluene Oxidation as a Model Volatile Organic Air Pollutant. <i>Catalysts</i> , 2021, 11, 252.	3.5	6
2	Tailoring Water Adsorption Capacity of APO-Tric. Crystals, 2021, 11, 773.	2.2	0
3	Thermal Energy Storage Materials (TESMs) – What Does It Take to Make Them Fly?. <i>Crystals</i> , 2021, 11, 1276.	2.2	18
4	Synthesis of Mesoporous $\gamma$ -Alumina Support for Water Composite Sorbents for Low Temperature Sorption Heat Storage. <i>Energies</i> , 2021, 14, 7809.	3.1	5
5	Evaluation of ZIF-8 and ZIF-90 as Heat Storage Materials by Using Water, Methanol and Ethanol as Working Fluids. <i>Crystals</i> , 2021, 11, 1422.	2.2	5
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. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118749.	20.2	63
7	Bimetal Cu-Mn porous silica-supported catalyst for Fenton-like degradation of organic dyes in wastewater at neutral pH. <i>Catalysis Today</i> , 2020, 358, 270-277.	4.4	32
8	Evolution of Surface Catalytic Sites on Bimetal Silica-Based Fenton-Like Catalysts for Degradation of Dyes with Different Molecular Charges. <i>Nanomaterials</i> , 2020, 10, 2419.	4.1	6
9	New Composite Water Sorbents CaCl <sub>2</sub> -PHTS for Low-Temperature Sorption Heat Storage: Determination of Structural Properties. <i>Nanomaterials</i> , 2019, 9, 27.	4.1	16
10	New Insights into Manganese Local Environment in MnS-1 Nanocrystals. <i>Crystal Growth and Design</i> , 2019, 19, 3130-3138.	3.0	7
11	Titania versus zinc oxide nanoparticles on mesoporous silica supports as photocatalysts for removal of dyes from wastewater at neutral pH. <i>Catalysis Today</i> , 2018, 310, 32-41.	4.4	89
12	Improved performance of binder-free zeolite Y for low-temperature sorption heat storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11521-11530.	10.3	33
13	Vapor-Phase Hydrogenation of Levulinic Acid to $\gamma$ -Valerolactone Over Bi-Functional Ni/HZSM-5 Catalyst. <i>Frontiers in Chemistry</i> , 2018, 6, 285.	3.6	30
14	New Water Adsorbent for Adsorption Driven Chillers. , 2018, , .		0
15	Superior Performance of Microporous Aluminophosphate with LTA Topology in Solar Energy Storage and Heat Reallocation. <i>Advanced Energy Materials</i> , 2017, 7, 1601815.	19.5	86
16	Influence of the preparation method of sulfated zirconia nanoparticles for levulinic acid esterification. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 120, 55-67.	1.7	8
17	IEA SHC Task 42 / ECES Annex 29 WG A1: Engineering and Processing of PCMs, TCMs and Sorption Materials. <i>Energy Procedia</i> , 2016, 91, 207-217.	1.8	14
18	Synthesis of biomass derived levulinate esters on novel sulfated Zr/KIL-2 composite catalysts. <i>Microporous and Mesoporous Materials</i> , 2016, 235, 50-58.	4.4	12

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19	Dehydration of AlPO <sub>4</sub> -34 studied by variable-temperature NMR, XRD and first-principles calculations. <i>New Journal of Chemistry</i> , 2016, 40, 4178-4186.	2.8	24
20	TiO <sub>2</sub> –SiO <sub>2</sub> films from organic-free colloidal TiO <sub>2</sub> anatase nanoparticles as photocatalyst for removal of volatile organic compounds from indoor air. <i>Applied Catalysis B: Environmental</i> , 2016, 184, 119-131.	20.2	115
21	A pH dependent delivery of mesalazine from polymer coated and drug-loaded SBA-16 systems. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 81, 75-81.	4.0	25
22	Highly crystalline binder-free ZSM-5 granules preparation. <i>Microporous and Mesoporous Materials</i> , 2015, 213, 108-117.	4.4	21
23	Manganese modified zeolite silicalite-1 as polysulphide sorbent in lithium sulphur batteries. <i>Journal of Power Sources</i> , 2015, 274, 1239-1248.	7.8	35
24	Autoreduction of Copper on Silica and Iron–Functionalized Silica Nanoparticles with Interparticle Mesoporosity. <i>ChemCatChem</i> , 2014, 6, 271-277.	3.7	15
25	Glycerol acetylation on mesoporous KIL-2 supported sulphated zirconia catalysts. <i>Catalysis Science and Technology</i> , 2014, 4, 3993-4000.	4.1	40
26	Sorption Composite Materials for Solar Thermal Energy Storage. <i>Energy Procedia</i> , 2014, 48, 977-981.	1.8	17
27	Design of Cobalt Functionalized Silica with Interparticle Mesoporosity as a Promising Catalyst for VOCs Decomposition. <i>Catalysis Letters</i> , 2014, 144, 1096-1100.	2.6	9
28	Iron–Functionalized Silica Nanoparticles as a Highly Efficient Adsorbent and Catalyst for Toluene Oxidation in the Gas Phase. <i>ChemCatChem</i> , 2013, 5, 986-993.	3.7	22
29	Accurate Structural Description of the Two Nanoporous Fluorinated Aluminophosphates ULM-3(Al) and ULM-4(Al) by Solid-State NMR. <i>Journal of Physical Chemistry C</i> , 2012, 116, 21489-21498.	3.1	17
30	New two-component water sorbent CaCl <sub>2</sub> -FeKIL2 for solar thermal energy storage. <i>Microporous and Mesoporous Materials</i> , 2012, 164, 266-272.	4.4	46
31	The Performance of Small–Pore Microporous Aluminophosphates in Low–Temperature Solar Energy Storage: The Structure–Property Relationship. <i>Advanced Functional Materials</i> , 2012, 22, 1952-1957.	14.9	80
32	The influence of microwave-assisted synthesis on nanocrystalline iron silicalite-1 particles. <i>CrystEngComm</i> , 2011, 13, 1946-1952.	2.6	8
33	MnO Nanoparticles Supported on a New Mesostructured Silicate with Textural Porosity. <i>Chemistry - A European Journal</i> , 2010, 16, 5783-5793.	3.3	40
34	Titania-containing mesoporous silica powders: Structural properties and photocatalytic activity towards isopropanol degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 216, 167-178.	3.9	45
35	Kinetic Analysis of Isothermal Crystallization of Potassium Aluminosilicate Ceramics (Leucite and) Tj ETQq1 1 0.784314 rgBT /Overloc 10, 838-844.	3.0	7
36	Functionalisation and Structure Characterisation of Porous Silicates and Aluminophosphates. , 2009, , 101-126.		3

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37	Synthesis and structural investigations on aluminium-free Ti-Beta/SBA-15 composite. <i>Microporous and Mesoporous Materials</i> , 2009, 117, 458-465.	4.4	26
38	The influences of the way of preparation of Me-aluminosilicates (Me=Li, Na, K, Rb and Cs) on the products. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 542-552.	4.4	4
39	Deposition of Ti-modified aluminium-free zeolite Beta on SBA-15. <i>Studies in Surface Science and Catalysis</i> , 2008, , 217-220.	1.5	0
40	Microwave synthesis of nanosized VS-1 and the preparation of thin film. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 365-368.	1.5	0
41	The Activity of Iron-Containing Zeolitic Materials for the Catalytic Oxidation in Aqueous Solutions. <i>Materials Science Forum</i> , 2007, 555, 213-218.	0.3	3
42	Synthesis and structural properties of titanium containing microporous/mesoporous silicate composite (Ti, Al)-Beta/MCM-48. <i>Microporous and Mesoporous Materials</i> , 2007, 99, 3-13.	4.4	24
43	Local environment of isolated iron in mesoporous silicate catalyst FeTUD-1. <i>Microporous and Mesoporous Materials</i> , 2007, 104, 289-295.	4.4	8
44	Manganese-modified hexagonal mesoporous aluminophosphate MnHMA: Synthesis and characterization. <i>Microporous and Mesoporous Materials</i> , 2006, 96, 386-395.	4.4	14
45	Local environment of iron in the mesoporous hexagonal aluminophosphate catalyst. <i>Microporous and Mesoporous Materials</i> , 2005, 87, 52-58.	4.4	8
46	<sup>31</sup> P NMR as a Tool for Studying Incorporation of Ni, Co, Fe, and Mn into Aluminophosphate Zeotypes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 10711-10716.	2.6	39
47	Kinetic analysis of temperature-induced transformation of zeolite 4A to low-carnegieite. <i>Materials Chemistry and Physics</i> , 2004, 86, 390-398.	4.0	12
48	Manganese-Containing Silica-Based Microporous Molecular Sieve MnS-1: Synthesis and Characterization.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
49	Investigations on iron substitution in VPI-5 and its redox behavior. <i>Microporous and Mesoporous Materials</i> , 2004, 76, 61-69.	4.4	8
50	Large-Pore FAPO-36: Synthesis and Characterization.. <i>ChemInform</i> , 2003, 34, no.	0.0	1
51	Manganese-Containing Silica-Based Microporous Molecular Sieve MnS-1: Synthesis and Characterization. <i>Chemistry of Materials</i> , 2003, 15, 4745-4750.	6.7	33
52	Large-Pore FAPO-36: Synthesis and Characterization. <i>Chemistry of Materials</i> , 2003, 15, 3643-3649.	6.7	26
53	Interaction of Dipropylamine Template Molecules with the Framework of as-Synthesized AlPO <sub>4</sub> -31. <i>Journal of Physical Chemistry B</i> , 2002, 106, 63-69.	2.6	17
54	Incorporation of heteroatoms (Me=Zn, Co, Mn) into framework sites of the gallophosphate molecular sieve ULM-5. <i>Microporous and Mesoporous Materials</i> , 2002, 56, 257-266.	4.4	7

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55	Synthesis and characterization of triclinic MeAPO-34 (Me=Zn, Fe) molecular sieves. <i>Microporous and Mesoporous Materials</i> , 2002, 56, 303-315.	4.4	20
56	Incorporation of Mn, Co and Zn cations into large-pore aluminophosphate molecular sieves MeAPO-50. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 590-592.	2.4	6
57	Large-pore molecular sieve MnAPO-50: synthesis, single-crystal structure analysis and thermal stability. <i>Microporous and Mesoporous Materials</i> , 2000, 37, 303-311.	4.4	19
58	NMR Characterization and Rietveld Refinement of the Structure of Rehydrated AlPO <sub>4</sub> -34. <i>Journal of Physical Chemistry B</i> , 2000, 104, 5697-5705.	2.6	99
59	Thermal investigations of some AlPO and MeAPO materials prepared in the presence of HF. <i>Thermochimica Acta</i> , 1997, 306, 31-36.	2.7	19
60	A CoAPO-34 derived from a triclinic precursor prepared in the presence of HF. <i>Zeolites</i> , 1997, 18, 115-118.	0.5	27
61	On the possibility of the preparation open framework manganese phosphate. <i>Zeolites</i> , 1996, 17, 304-309.	0.5	16