

Suzy s SurblÃ©

List of Publications by Year in descending order

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54
papers

11,708
citations

186209

28
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161767

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all docs

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docs citations

56
times ranked

10505
citing authors

#	ARTICLE	IF	CITATIONS
1	A Chromium Terephthalate-Based Solid with Unusually Large Pore Volumes and Surface Area. <i>Science</i> , 2005, 309, 2040-2042.	6.0	4,615
2	Synthesis and catalytic properties of MIL-100(Fe), an iron(III) carboxylate with large pores. <i>Chemical Communications</i> , 2007, , 2820-2822.	2.2	1,218
3	Role of Solvent-Host Interactions That Lead to Very Large Swelling of Hybrid Frameworks. <i>Science</i> , 2007, 315, 1828-1831.	6.0	918
4	A Hybrid Solid with Giant Pores Prepared by a Combination of Targeted Chemistry, Simulation, and Powder Diffraction. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6296-6301.	7.2	822
5	Hydrogen Storage in the Giant-Pore Metal-Organic Frameworks MIL-100 and MIL-101. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 8227-8231.	7.2	716
6	A Route to the Synthesis of Trivalent Transition-Metal Porous Carboxylates with Trimeric Secondary Building Units. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6285-6289.	7.2	487
7	A new isorecticular class of metal-organic-frameworks with the MIL-88 topology. <i>Chemical Communications</i> , 2006, , 284-286.	2.2	454
8	Investigation of Acid Sites in a Zeotypic Giant Pores Chromium(III) Carboxylate. <i>Journal of the American Chemical Society</i> , 2006, 128, 3218-3227.	6.6	343
9	Very Large Swelling in Hybrid Frameworks: A Combined Computational and Powder Diffraction Study. <i>Journal of the American Chemical Society</i> , 2005, 127, 16273-16278.	6.6	293
10	A Hybrid Solid with Giant Pores Prepared by a Combination of Targeted Chemistry, Simulation, and Powder Diffraction. <i>Angewandte Chemie</i> , 2004, 116, 6456-6461.	1.6	256
11	Synthesis of MIL-102, a Chromium Carboxylate Metal-Organic Framework, with Gas Sorption Analysis. <i>Journal of the American Chemical Society</i> , 2006, 128, 14889-14896.	6.6	229
12	Comparative Uptake and Impact of TiO ₂ Nanoparticles in Wheat and Rapeseed. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2012, 75, 722-734.	1.1	174
13	An EXAFS study of the formation of a nanoporous metal-organic framework: evidence for the retention of secondary building units during synthesis. <i>Chemical Communications</i> , 2006, , 1518.	2.2	145
14	Creation of Controlled Brønsted Acidity on a Zeotypic Mesoporous Chromium(III) Carboxylate by Grafting Water and Alcohol Molecules. <i>Journal of Physical Chemistry C</i> , 2007, 111, 383-388.	1.5	92
15	Mother-plant-mediated pumping of zinc into the developing seed. <i>Nature Plants</i> , 2016, 2, 16036.	4.7	62
16	How Mercury can be the most reduced terrestrial planet and still store iron in its mantle. <i>Earth and Planetary Science Letters</i> , 2014, 394, 186-197.	1.8	54
17	Evidence of flexibility in the nanoporous iron(III) carboxylate MIL-89. <i>Dalton Transactions</i> , 2008, , 5462.	1.6	51
18	Influence of soil type on TiO ₂ nanoparticle fate in an agro-ecosystem. <i>Science of the Total Environment</i> , 2018, 630, 609-617.	3.9	45

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19	Synthesis, Characterization, and Properties of an Open-Framework Iron(III) Dicarboxylate: MIL-85 or $\text{FeIII}_2\text{O}\{\text{O}_2\text{C}\text{C}\text{H}_3\}_2\{\text{O}_2\text{C}\text{C}_6\text{H}_4\text{CO}_2\}\cdot 2\text{CH}_3\text{OH}$. <i>Chemistry of Materials</i> , 2004, 16, 2706-2711.	3.2	44
20	Clumped fluoride-hydroxyl defects in forsterite: Implications for the upper-mantle. <i>Earth and Planetary Science Letters</i> , 2014, 390, 287-295.	1.8	42
21	Nanoscale Phase Separation in Lithium Niobium Silicate Glass by Femtosecond Laser Irradiation. <i>Journal of the American Ceramic Society</i> , 2017, 100, 115-124.	1.9	40
22	Spark plasma sintering of a commercially available granulated zirconia powder. II. Microstructure after sintering and ionic conductivity. <i>Acta Materialia</i> , 2008, 56, 4658-4672.	3.8	39
23	Enhanced Eu^{3+} luminescence in a new hybrid material with an open-framework structure. <i>Journal of Luminescence</i> , 2007, 122-123, 492-495.	1.5	35
24	Experimental constraints on the fate of H and C during planetary core-mantle differentiation. Implications for the Earth. <i>Icarus</i> , 2019, 321, 473-485.	1.1	35
25	Synthesis, characterisation and properties of a new three-dimensional Yttrium-Europium coordination polymer. <i>Solid State Sciences</i> , 2005, 7, 1074-1082.	1.5	34
26	Is the transition zone a deep reservoir for fluorine?. <i>Earth and Planetary Science Letters</i> , 2015, 429, 25-32.	1.8	34
27	Intricate disorder in defect fluorite/pyrochlore: a concord of chemistry and crystallography. <i>Scientific Reports</i> , 2017, 7, 3727.	1.6	31
28	Comparative study of two layered lanthanide dicarboxylates based on europium(III) dimers. <i>Solid State Sciences</i> , 2007, 9, 131-136.	1.5	24
29	Pressure-induced structural transition in $\text{Ln}_2\text{Zr}_2\text{O}_7$ ($\text{Ln}=\text{Ce, Nd, Gd}$) pyrochlores. <i>Physics and Chemistry of Minerals</i> , 2010, 37, 761-767.	0.3	24
30	Grain size-dependent electrical properties of $\text{La}_{1.95}\text{Sr}_{0.05}\text{Zr}_2\text{O}_7$ as potential Proton Ceramic Fuel Cell electrolyte. <i>Solid State Ionics</i> , 2016, 298, 35-43.	1.3	20
31	Why ion irradiation does not lead to the same structural changes in normal spinels ZnAl_2O_4 , MgAl_2O_4 and MgCr_2O_4 ?. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 2848-2853.	0.6	18
32	Nuclear microanalysis of lithium dispersion in LiFePO_4 based cathode materials for Li-ion batteries. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 290, 13-18.	0.6	17
33	Structural changes upon dehydration of $\text{Pr(III)(H}_2\text{O)}\{\text{C}_6\text{H}_3(\text{CO}_2)_3\}$ or MIL-81: A new three-dimensional praseodymium 1,2,4-benzenetricarboxylate with a one dimensional inorganic sub-network. <i>Solid State Sciences</i> , 2006, 8, 413-417.	1.5	16
34	Remarkable impact of grains boundaries on the chemical delithiation kinetics of LiFePO_4 . <i>Solid State Ionics</i> , 2017, 300, 187-194.	1.3	16
35	The $\text{A}_{1-x}\text{UNbO}_6$ compounds ($x=0$, $\text{A}=\text{Li, Na, K, Cs}$ and $x=0.5$, $\text{A}=\text{Rb, Cs}$): from layered to tunneled structure. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3238-3251.	1.4	15
36	Computational exploration of the gas adsorption on the iron tetracarboxylate metal-organic framework MIL-102. <i>Molecular Simulation</i> , 2015, 41, 1357-1370.	0.9	14

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37	Interactions between Eu ³⁺ ions in inorganic-organic hybrid materials. Journal of Solid State Chemistry, 2010, 183, 795-802.	1.4	13
38	Pressure effect on the crystal lattice of unconventional superconductor UCoGe. Journal of Physics Condensed Matter, 2010, 22, 275603.	0.7	13
39	Defect thermodynamic and transport properties of nanocrystalline Gd-doped ceria. Ionics, 2008, 14, 33-36.	1.2	11
40	Chlorine in wadsleyite and ringwoodite: An experimental study. Earth and Planetary Science Letters, 2017, 467, 99-107.	1.8	11
41	Influence of sintering methods on microstructure and ionic conductivity of La _{1.95} Sr _{0.05} Zr ₂ O _{6.975} synthesized by co-precipitation. Solid State Ionics, 2015, 278, 181-185.	1.3	10
42	Effects of high pressure on the structural, magnetic, and transport properties of the itinerant ferromagnet $U_{1-x}Fe_x$. Physical Review B, 2014, 89, .	1.1	9
43	Helium behaviour in implanted boron carbide. EPJ Nuclear Sciences & Technologies, 2015, 1, 16.	0.3	8
44	Operando analysis of lithium profiles in Li-ion batteries using nuclear microanalysis. Journal of Power Sources, 2018, 393, 37-42.	4.0	5
45	Complementary Ion Beam Analysis and Raman Studies for Investigation of the Carbon Coating Impact on Li Insertion/Deinsertion Process at LiFePO ₄ /C Electrodes. Journal of the Electrochemical Society, 2017, 164, A3538-A3544.	1.3	4
46	Artificial Solid Electrolyte Interphase Formation on Si Nanoparticles through Radiolysis: Importance of the Presence of an Additive. Journal of Physical Chemistry C, 2019, 123, 28550-28560.	1.5	4
47	Rapidly synthesis of nanocrystalline MgIn ₂ O ₄ spinel using combustion and solid state chemistry. Solid State Sciences, 2011, 13, 42-48.	1.5	3
48	Impact of Spark Plasma Sintering Conditions on Ionic Conductivity in La _{1.95} Sr _{0.05} Zr ₂ O _{7-δ} Electrolyte Material for Intermediate Temperature SOFCs. ECS Transactions, 2015, 68, 2645-2652.	0.3	3
49	MIL-53 Metal-Organic Framework as a Flexible Cathode for Lithium-Oxygen Batteries. Materials, 2021, 14, 4618.	1.3	3
50	Impact of disorder on ionic charge in spinel compounds. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 3002-3007.	0.6	2
51	Synthesis, structure and physical properties of U ₃ Co ₂ Si ₇ and Np ₃ Co ₂ Si ₇ compounds. Journal of Physics: Conference Series, 2010, 200, 032017.	0.3	1
52	Experimental and ab initio volume compressibility curves of NpCoGa. Physical Review B, 2010, 81, .	1.1	1
53	Interaction of europium and nickel with calcite studied by Rutherford Backscattering Spectrometry and Time-Resolved Laser Fluorescence Spectroscopy. Nuclear Instruments & Methods in Physics Research B, 2014, 332, 111-116.	0.6	1
54	Microstructural Characterization of the Radiation Effects in ZrC, a Potential Material for Next Generation Nuclear Plants. Materials Research Society Symposia Proceedings, 2007, 1043, 1.	0.1	0