

Joao Rocha

List of Publications by Year in descending order

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11608

70
h-index

16127

124
g-index

619
all docs

619
docs citations

619
times ranked

19804
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescent multifunctional lanthanides-based metal-organic frameworks. <i>Chemical Society Reviews</i> , 2011, 40, 926-940.	18.7	1,459
2	Ligand design for functional metal-organic frameworks. <i>Chemical Society Reviews</i> , 2012, 41, 1088-1110.	18.7	725
3	Structure of the microporous titanosilicate ETS-10. <i>Nature</i> , 1994, 367, 347-351.	13.7	568
4	Microwave-Assisted Synthesis of Metal-Organic Frameworks. <i>Dalton Transactions</i> , 2011, 40, 321-330.	1.6	441
5	Lanthanide Organic Framework Luminescent Thermometers. <i>Chemistry - A European Journal</i> , 2016, 22, 14782-14795.	1.7	404
6	Metal-Organic Nanoporous Structures with Anisotropic Photoluminescence and Magnetic Properties and Their Use as Sensors. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1080-1083.	7.2	378
7	Ratiometric Nanothermometer Based on an Emissive Ln ³⁺ -Organic Framework. <i>ACS Nano</i> , 2013, 7, 7213-7218.	7.3	335
8	A Miniaturized Linear pH Sensor Based on a Highly Photoluminescent Self-Assembled Europium(III) Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6476-6479.	7.2	314
9	An optimised method to determine the degree of acetylation of chitin and chitosan by FTIR spectroscopy. <i>International Journal of Biological Macromolecules</i> , 2002, 31, 1-8.	3.6	301
10	Instantaneous ballistic velocity of suspended Brownian nanocrystals measured by upconversion nanothermometry. <i>Nature Nanotechnology</i> , 2016, 11, 851-856.	15.6	292
11	All-In-One Optical Heater-Thermometer Nanoplatfom Operative From 300 to 2000 K Based on Er ³⁺ Emission and Blackbody Radiation. <i>Advanced Materials</i> , 2013, 25, 4868-4874.	11.1	264
12	Microporous Titanosilicates and other Novel Mixed Octahedral-Tetrahedral Framework Oxides. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 801-818.	1.0	253
13	Lanthanide-Organic Framework Nanothermometers Prepared by Spray-Drying. <i>Advanced Functional Materials</i> , 2015, 25, 2824-2830.	7.8	252
14	Boosting the sensitivity of Nd ³⁺ -based luminescent nanothermometers. <i>Nanoscale</i> , 2015, 7, 17261-17267.	2.8	213
15	Microporous titanosilicate ETS-10: A structural survey. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1995, 71, 813-841.	0.6	212
16	Reconstruction of layered double hydroxides from calcined precursors: a powder XRD and 27Al MAS NMR study. <i>Journal of Materials Chemistry</i> , 1999, 9, 2499-2503.	6.7	203
17	Visible-Light Excited Luminescent Thermometer Based on Single Lanthanide Organic Frameworks. <i>Advanced Functional Materials</i> , 2016, 26, 8677-8684.	7.8	188
18	²⁹ Si and ²⁷ Al magic-angle-spinning NMR studies of the thermal transformation of kaolinite. <i>Physics and Chemistry of Minerals</i> , 1990, 17, 179.	0.3	182

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19	Adsorption and Activation of CO ₂ by Amine-Modified Nanoporous Materials Studied by Solid-State NMR and ¹³ CO ₂ Adsorption. <i>Chemistry of Materials</i> , 2011, 23, 1387-1395.	3.2	175
20	Mg,Al layered double hydroxides with intercalated indomethacin: Synthesis, characterization, and pharmacological study. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 1649-1658.	1.6	171
21	MCM-41 functionalized with bipyridyl groups and its use as a support for oxomolybdenum(vi) catalysts. <i>Journal of Materials Chemistry</i> , 2002, 12, 1735-1742.	6.7	163
22	Interconvertible Modular Framework and Layered Lanthanide(III)-Etidronic Acid Coordination Polymers. <i>Journal of the American Chemical Society</i> , 2008, 130, 150-167.	6.6	153
23	The effect of natural zeolite on microstructure, mechanical and heavy metals adsorption properties of metakaolin based geopolymers. <i>Applied Clay Science</i> , 2016, 126, 141-152.	2.6	150
24	Fine Tuning of the Relaxometry of ⁵⁷ Fe ₂ O ₃ @SiO ₂ Nanoparticles by Tweaking the Silica Coating Thickness. <i>ACS Nano</i> , 2010, 4, 5339-5349.	7.3	141
25	Photoluminescent Thermometer Based on a Phase-Transition Lanthanide Silicate with Unusual Structural Disorder. <i>Journal of the American Chemical Society</i> , 2015, 137, 3051-3058.	6.6	141
26	Optically Functional Di-Urethanesil Nanohybrids Containing Eu ³⁺ Ions. <i>Chemistry of Materials</i> , 2004, 16, 2530-2543.	3.2	140
27	Synthesis and Structural Characterization of Microporous Umbite, Penkvilksite, and Other Titanosilicates. <i>Journal of Physical Chemistry B</i> , 1997, 101, 7114-7120.	1.2	134
28	Synthesis and characterization of layered double hydroxides (LDH) intercalated with non-steroidal anti-inflammatory drugs (NSAID). <i>Journal of Solid State Chemistry</i> , 2004, 177, 3954-3962.	1.4	127
29	Functional nanostructured chitosan-siloxane hybrids. <i>Journal of Materials Chemistry</i> , 2005, 15, 3952.	6.7	123
30	Zeolite Structures Loading with an Anticancer Compound As Drug Delivery Systems. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25642-25650.	1.5	120
31	Photoluminescent 3D Lanthanide-Organic Frameworks with 2,5-Pyridinedicarboxylic and 1,4-Phenylenediacetic Acids. <i>Crystal Growth and Design</i> , 2008, 8, 2505-2516.	1.4	112
32	Functional Cationic Nanomagnet-Porphyrin Hybrids for the Photoinactivation of Microorganisms. <i>ACS Nano</i> , 2010, 4, 7133-7140.	7.3	112
33	Conversion of furfuryl alcohol to ethyl levulinate using porous aluminosilicate acid catalysts. <i>Catalysis Today</i> , 2013, 218-219, 76-84.	2.2	111
34	Photoluminescent Layered Lanthanide Silicates. <i>Journal of the American Chemical Society</i> , 2004, 126, 10410-10417.	6.6	107
35	Morphology and miscibility of chitosan/soy protein blended membranes. <i>Carbohydrate Polymers</i> , 2007, 70, 25-31.	5.1	107
36	Influence of microwave radiation on the textural properties of layered double hydroxides. <i>Microporous and Mesoporous Materials</i> , 2006, 94, 148-158.	2.2	104

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37	Novel Microporous Europium and Terbium Silicates. <i>Journal of the American Chemical Society</i> , 2001, 123, 5735-5742.	6.6	103
38	Nanoscopic Photoluminescence Memory as a Fingerprint of Complexity in Self-Assembled Alkyl/Siloxane Hybrids. <i>Advanced Materials</i> , 2007, 19, 341-348.	11.1	101
39	Effect of the Mg:Al Ratio on Borate (or Silicate)/Nitrate Exchange in Hydrotalcite. <i>Journal of Solid State Chemistry</i> , 2000, 151, 272-280.	1.4	100
40	Photoluminescence and Quantum Yields of Urea and Urethane Cross-Linked Nanohybrids Derived from Carboxylic Acid Solvolysis. <i>Chemistry of Materials</i> , 2004, 16, 1507-1516.	3.2	100
41	Solid-State NMR Studies of the Structure and Reactivity of Metakaolinite. <i>Angewandte Chemie International Edition in English</i> , 1990, 29, 553-554.	4.4	99
42	Isomerization of d-glucose to d-fructose over metallosilicate solid bases. <i>Applied Catalysis A: General</i> , 2008, 339, 21-27.	2.2	99
43	Determination of the degree of acetylation of chitin materials by ¹³ C CP/MAS NMR spectroscopy. <i>International Journal of Biological Macromolecules</i> , 2001, 28, 359-363.	3.6	98
44	Effect of extra-lattice aluminium species on the activity, selectivity and stability of acid zeolites in the liquid phase isomerisation of β -pinene. <i>Applied Catalysis A: General</i> , 1996, 142, 255-278.	2.2	95
45	Photoluminescent Lanthanide-Organic Bilayer Networks with 2,3-Pyrazinedicarboxylate and Oxalate. <i>Inorganic Chemistry</i> , 2010, 49, 3428-3440.	1.9	94
46	Enhanced Photocatalytic Activity of MIL-125 by Post-Synthetic Modification with Cr ^{III} and Ag Nanoparticles. <i>Chemistry - A European Journal</i> , 2015, 21, 11072-11081.	1.7	94
47	Photoinactivation of bacteria in wastewater by porphyrins: Bacterial β -galactosidase activity and leucine-uptake as methods to monitor the process. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2007, 88, 112-118.	1.7	93
48	Cu-BTC metal-organic framework natural fabric composites for fuel purification. <i>Fuel Processing Technology</i> , 2017, 159, 306-312.	3.7	93
49	Photoresponsive Organic-Inorganic Hybrid Ferroelectric Designed at the Molecular Level. <i>Journal of the American Chemical Society</i> , 2020, 142, 16990-16998.	6.6	92
50	Synthesis of microporous titanosilicate ETS-10 from TiCl ₃ and TiO ₂ : a comprehensive study. <i>Microporous and Mesoporous Materials</i> , 1998, 23, 253-263.	2.2	90
51	Multi-functional rare-earth hybrid layered networks: photoluminescence and catalysis studies. <i>Journal of Materials Chemistry</i> , 2009, 19, 2618.	6.7	90
52	Potential of 5-fluorouracil encapsulated in zeolites as drug delivery systems for in vitro models of colorectal carcinoma. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, 237-244.	2.5	90
53	¹³ C solid-state nuclear magnetic resonance and Fourier transform infrared studies of the thermal decomposition of cork. <i>Solid State Nuclear Magnetic Resonance</i> , 1995, 4, 143-151.	1.5	86
54	Liquid-phase Dehydration of d-xylose over Microporous and Mesoporous Niobium Silicates. <i>Catalysis Letters</i> , 2006, 108, 179-186.	1.4	85

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55	Hybrid organic-inorganic perovskites: Polar properties and applications. <i>Coordination Chemistry Reviews</i> , 2019, 387, 398-414.	9.5	84
56	Ordered benzene-silica hybrids with molecular-scale periodicity in the walls and different mesopore sizes. <i>Journal of Materials Chemistry</i> , 2003, 13, 1910-1913.	6.7	83
57	Synthesis and characterization of tungsten trioxide powders prepared from tungstic acids. <i>Materials Research Bulletin</i> , 2004, 39, 683-693.	2.7	83
58	Processing, stability and oxygen permeability of Sr(Fe, Al)O ₃ -based ceramic membranes. <i>Journal of Membrane Science</i> , 2005, 252, 215-225.	4.1	83
59	Microporous materials containing lanthanide metals. <i>Current Opinion in Solid State and Materials Science</i> , 2003, 7, 199-205.	5.6	81
60	Microporous Mixed Octahedral-Pentahedral-Tetrahedral Framework Silicates. <i>Reviews in Mineralogy and Geochemistry</i> , 2005, 57, 173-201.	2.2	81
61	Metal-Organic Frameworks assembled from tetraphosphonic ligands and lanthanides. <i>Coordination Chemistry Reviews</i> , 2018, 355, 133-149.	9.5	80
62	Determination of the Structure of Distorted TiO ₆ Units in the Titanosilicate ETS-10 by a Combination of X-ray Absorption Spectroscopy and Computer Modeling. <i>The Journal of Physical Chemistry</i> , 1996, 100, 449-452.	2.9	78
63	Influence of the CaO/MgO ratio on the structure of phase-separated glasses: a solid state ²⁹ Si and ³¹ P MAS NMR study. <i>Journal of Non-Crystalline Solids</i> , 2000, 265, 221-229.	1.5	78
64	Controlling hydrolysis and dispersion of AlN powders in aqueous media. <i>Journal of Colloid and Interface Science</i> , 2003, 261, 456-463.	5.0	75
65	Evaluation of [Ln(H ₂ cmp)(H ₂ O)] Metal Organic Framework Materials for Potential Application as Magnetic Resonance Imaging Contrast Agents. <i>Inorganic Chemistry</i> , 2010, 49, 2969-2974.	1.9	75
66	Synthesis of zeolite Na-A from metakaolinite revisited. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 3091.	1.7	74
67	Immobilization of Oxomolybdenum Species in a Layered Double Hydroxide Pillared by 2,2'-Bipyridine-5,5'-dicarboxylate Anions. <i>Inorganic Chemistry</i> , 2004, 43, 5422-5431.	1.9	74
68	Novel Microporous Lanthanide Silicates with Tobermorite-Like Structure. <i>Journal of the American Chemical Society</i> , 2003, 125, 14573-14579.	6.6	73
69	Modification of MOR by desilication treatments: Structural, textural and acidic characterization. <i>Microporous and Mesoporous Materials</i> , 2010, 131, 350-357.	2.2	72
70	Dioxomolybdenum(VI) modified mesoporous materials for the catalytic epoxidation of olefins. <i>Catalysis Today</i> , 2006, 114, 263-271.	2.2	71
71	Three-Dimensional Lanthanide-Organic Frameworks Based on Di-, Tetra-, and Hexameric Clusters. <i>Crystal Growth and Design</i> , 2009, 9, 2098-2109.	1.4	71
72	Efficient sorbents based on magnetite coated with siliceous hybrid shells for removal of mercury ions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8134.	5.2	71

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73	A ¹³ C solid state nuclear magnetic resonance spectroscopic study of cork cell wall structure: the effect of suberin removal. <i>International Journal of Biological Macromolecules</i> , 1997, 20, 293-305.	3.6	70
74	The First Large-Pore Vanadosilicate Framework Containing Hexacoordinated Vanadium. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 100-102.	4.4	70
75	Microwave-hydrothermally aged Zn,Al hydrotalcite-like compounds: Influence of the composition and the irradiation conditions. <i>Microporous and Mesoporous Materials</i> , 2008, 110, 292-302.	2.2	70
76	The First Microporous Framework Cerium Silicate. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3276-3279.	7.2	68
77	Kaolinite to Halloysite-7 Å Transformation in the Kaolin Deposit of São Vicente de Pereira, Portugal. <i>Clays and Clay Minerals</i> , 2001, 49, 596-607.	0.6	67
78	High-Resolution Heteronuclear Correlation Spectra between ³¹ P and ²⁷ Al in Microporous Aluminophosphates. <i>Solid State Nuclear Magnetic Resonance</i> , 2002, 21, 61-70.	1.5	67
79	Photoluminescent Lanthanide Organic 2D Networks: A Combined Synchrotron Powder X-ray Diffraction and Solid-State NMR Study. <i>Chemistry of Materials</i> , 2007, 19, 3527-3538.	3.2	67
80	Characterisation of cystathionine gamma-lyase/hydrogen sulphide pathway in ischaemia/reperfusion injury of the mouse kidney: An in vivo study. <i>European Journal of Pharmacology</i> , 2009, 606, 205-209.	1.7	66
81	²⁷ Al quadrupole nutation and ¹ H- ²⁷ Al cross-polarization solid-state NMR studies of ultrastable zeolite Y with fast magic-angle spinning. <i>Chemical Physics Letters</i> , 1991, 187, 401-408.	1.2	65
82	Chiral dioxomolybdenum(VI) complexes for enantioselective alkene epoxidation. <i>Journal of Organometallic Chemistry</i> , 2001, 626, 1-10.	0.8	65
83	Synthesis, Characterization, and Luminescence of β -Cyclodextrin Inclusion Compounds Containing Europium(III) and Gadolinium(III) Tris(β -diketonates). <i>Journal of Physical Chemistry B</i> , 2002, 106, 11430-11437.	1.2	65
84	Molecular Structure-Activity Relationships for the Oxidation of Organic Compounds Using Mesoporous Silica Catalysts Derivatized with Bis(halogeno)dioxomolybdenum(VI) Complexes. <i>Chemistry - A European Journal</i> , 2003, 9, 4380-4390.	1.7	65
85	Relaxometric Studies of $\text{Fe}_2\text{O}_3@ \text{SiO}_2$ Core Shell Nanoparticles: When the Coating Matters. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2285-2291.	1.5	65
86	Excimer Formation in a Terbium Metal Organic Framework Assists Luminescence Thermometry. <i>Chemistry of Materials</i> , 2017, 29, 9547-9554.	3.2	65
87	Oxidative delignification in the presence of molybdovanadophosphate heteropolyanions: mechanism and kinetic studies. <i>Applied Catalysis A: General</i> , 1998, 167, 123-139.	2.2	63
88	Series of Metal Organic Frameworks Assembled from Ln(III), Na(I), and Chiral Flexible-Achiral Rigid Dicarboxylates Exhibiting Tunable UV-Vis-IR Light Emission. <i>Inorganic Chemistry</i> , 2012, 51, 1703-1716.	1.9	63
89	Monoterpenes oxidation in the presence of Y zeolite-entrapped manganese(III) tetra(4-N-benzylpyridyl)porphyrin. <i>Journal of Molecular Catalysis A</i> , 2003, 201, 211-222.	4.8	62
90	Tuning the emission colour in mixed lanthanide microporous silicates: energy transfer, composition and chromaticity. <i>Journal of Materials Chemistry</i> , 2008, 18, 1100.	6.7	62

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91	High-resolution ^1H homonuclear dipolar recoupling NMR spectra of biological solids at MAS rates up to 67kHz. <i>Journal of Magnetic Resonance</i> , 2009, 199, 111-114.	1.2	62
92	Effects of Phonon Confinement on Anomalous Thermalization, Energy Transfer, and Upconversion in Ln^{3+} -Doped Gd_2O_3 Nanotubes. <i>Advanced Functional Materials</i> , 2010, 20, 624-634.	7.8	62
93	Emission-Decay Curves, Energy-Transfer and Effective-Refractive Index in $\text{Gd}_2\text{O}_3:\text{Eu}^{3+}$ Nanorods. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15297-15303.	1.5	62
94	Photoluminescence of Eu(III)-doped lamellar bridged silsesquioxanes self-templated through a hydrogen bonding array. <i>Journal of Materials Chemistry</i> , 2008, 18, 4172.	6.7	61
95	New phosphors based on Eu^{3+} -doped microporous titanosilicates. <i>Journal of Luminescence</i> , 2000, 87-89, 1083-1086.	1.5	60
96	Synthesis and characterisation of titanosilicate ETS-10 membranes. <i>Microporous and Mesoporous Materials</i> , 2004, 67, 79-86.	2.2	60
97	MCM-41 ordered mesoporous molecular sieves synthesis and characterization. <i>Materials Research</i> , 1999, 2, 173-179.	0.6	59
98	Mesoporous Silicas Modified with Dioxomolybdenum(VI) Complexes: Synthesis and Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 2263-2270.	1.0	59
99	Removal of low concentration Hg^{2+} from natural waters by microporous and layered titanosilicates. <i>Microporous and Mesoporous Materials</i> , 2007, 103, 325-332.	2.2	59
100	Thermal Transformation of a Layered Multifunctional Network into a Metal-Organic Framework Based on a Polymeric Organic Linker. <i>Journal of the American Chemical Society</i> , 2011, 133, 15120-15138.	6.6	59
101	Antimosquito Activity of a Titanium-Organic Framework Supported on Fabrics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22112-22120.	4.0	59
102	Methane oxidation over Fe-, Co-, Ni- and V-containing mixed conductors. <i>Solid State Ionics</i> , 2005, 176, 781-791.	1.3	58
103	Direct synthesis without addition of acid of Al-SBA-15 with controllable porosity and high hydrothermal stability. <i>Microporous and Mesoporous Materials</i> , 2011, 142, 526-534.	2.2	57
104	Structural studies of pillared saponite. <i>The Journal of Physical Chemistry</i> , 1993, 97, 10389-10393.	2.9	56
105	The strong basicity of the microporous titanosilicate ETS-10. <i>Catalysis Letters</i> , 1999, 57, 151-153.	1.4	56
106	Luminescent Polyoxotungstoeuropate Anion-Pillared Layered Double Hydroxides. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 726-734.	1.0	56
107	Porous Materials Prepared from Clays for the Upgrade of Landfill Gas. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14394-14402.	1.5	56
108	Hydro-Ionothermal Synthesis of Lanthanide-Organic Frameworks with 1,4-Phenylenebis(methylene)diphosphonate. <i>Crystal Growth and Design</i> , 2008, 8, 3917-3920.	1.4	56

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109	Synthesis and crystal structure of bis(12-crown-4)lithium bis[N,Nâ€²-bis(trimethylsilyl)benzenesulphinamido]lithiate(1â€“); the first observation of three different lithium-7 environments in high-resolution solid-state NMR spectroscopy. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 1477-1479.	2.0	55
110	Molecule-Like Eu³⁺-Dimers Embedded in an Extended System Exhibit Unique Photoluminescence Properties. <i>Journal of the American Chemical Society</i> , 2009, 131, 8620-8626.	6.6	55
111	Textural, structural and acid properties of a catalytically active mesoporous aluminosilicate MCM-41. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 4623.	1.7	54
112	Single- and Triple-Quantum ²⁷ Al MAS NMR Study of the Thermal Transformation of Kaolinite. <i>Journal of Physical Chemistry B</i> , 1999, 103, 9801-9804.	1.2	54
113	Studies on olefin epoxidation with t-BuOOH catalysed by dioxomolybdenum(VI) complexes of a novel chiral pyridyl alcoholate ligand. <i>New Journal of Chemistry</i> , 2001, 25, 959-963.	1.4	54
114	Use of sulfoaluminate cement and bottom ash in the solidification/stabilization of galvanic sludge. <i>Journal of Hazardous Materials</i> , 2006, 136, 837-845.	6.5	54
115	Electroactive Organic Building Blocks for the Chemical Design of Functional Porous Frameworks (MOFs and COFs) in Electronics. <i>Chemistry - A European Journal</i> , 2020, 26, 10912-10935.	1.7	53
116	Double-Resonance Decoupling for Resolution Enhancement of ³¹ P Solid-State MAS and ²⁷ Al â†’ ³¹ P MQHETCOR NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2002, 22, 501-512.	1.5	52
117	Physicochemical characterization of silylated functionalized materials. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 603-610.	5.0	52
118	Solid-state NMR studies of the molecular motion in the kaolinite: DMSO intercalate. <i>Journal of the American Chemical Society</i> , 1992, 114, 6867-6874.	6.6	51
119	Synthesis and Structural Characterization of Zirconium Silicates. <i>Chemistry of Materials</i> , 2001, 13, 355-363.	3.2	51
120	Practical aspects of Leeâ€“Goldburg based CRAMPS techniques for high-resolution ¹ H NMR spectroscopy in solids: Implementation and applications. <i>Journal of Magnetic Resonance</i> , 2008, 194, 264-282.	1.2	51
121	Near-infrared emitters based on post-synthetic modified Ln ³⁺ -IRMOF-3. <i>Chemical Communications</i> , 2013, 49, 5019.	2.2	51
122	Lanthanide-polyphosphonate coordination polymers combining catalytic and photoluminescence properties. <i>Chemical Communications</i> , 2013, 49, 6400.	2.2	51
123	Cryogenic Nanothermometer Based on the MILâ€“103(Tb,Eu) Metalâ€“Organic Framework. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1967-1971.	1.0	51
124	[{(MeLi) ₄ (dem) _{1.5} }âˆž] and [(thf) ₃ Li ₃ Me{(NtBu) ₃ S}]âˆž”How to Reduce Aggregation of Parent Methylolithium. <i>Chemistry - A European Journal</i> , 2001, 7, 1417-1423.	1.7	50
125	Comparative study of Al-MCM materials prepared at room temperature with different aluminium sources and by some hydrothermal methods. <i>Microporous and Mesoporous Materials</i> , 2006, 92, 270-285.	2.2	50
126	Multi-functional metalâ€“organic frameworks assembled from a tripodal organic linker. <i>Journal of Materials Chemistry</i> , 2012, 22, 18354.	6.7	50

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127	Adsorption heat pumps for heating applications. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109528.	8.2	50
128	Al,Ti Avoidance in the Microporous Titanosilicate ETAS-10. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1003-1005.	4.4	49
129	Isomorphous substitution in the microporous titanosilicate ETS-10. <i>Microporous Materials</i> , 1996, 6, 195-204.	1.6	49
130	Gas-Phase Oxidative Dehydrogenation of Cyclohexanol over ETS-10 and Related Materials. <i>Journal of Catalysis</i> , 2001, 200, 99-105.	3.1	49
131	(Gd,Yb,Tb)PO ₄ up-conversion nanocrystals for bimodal luminescence MR imaging. <i>Nanoscale</i> , 2012, 4, 5154.	2.8	49
132	Oxidation of cyclohexane by transition-metal complexes with biomimetic ligands. <i>Catalysis Today</i> , 2013, 203, 81-86.	2.2	49
133	Deprotonated Iminophosphorane o-C ₆ H ₄ Ph ₂ PNSiMe ₃ as a Novel Ligand To Stabilize a Diarylstannylenes and -plumbylene via Side Arm Donation. <i>Organometallics</i> , 2000, 19, 3890-3894.	1.1	48
134	Synthesis and Characterization of Methyltrioxorhenium(VII) Immobilized in Bipyridyl-Functionalized Mesoporous Silica. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 1100-1107.	1.0	48
135	Characterization of mixed-conducting La ₂ Ni _{0.9} Co _{0.1} O _{4+δ} membranes for dry methane oxidation. <i>Applied Catalysis A: General</i> , 2004, 261, 25-35.	2.2	48
136	New waste based clinkers: Belite and lime formulations. <i>Cement and Concrete Research</i> , 2008, 38, 511-521.	4.6	48
137	Using pyridine amidoximes in 3d-metal cluster chemistry: a novel ferromagnetic Ni ₁₂ complex from the use of pyridine-2-amidoxime. <i>Dalton Transactions</i> , 2008, , 3153.	1.6	48
138	Fixed-bed removal of Hg ²⁺ from contaminated water by microporous titanosilicate ETS-4: Experimental and theoretical breakthrough curves. <i>Microporous and Mesoporous Materials</i> , 2011, 145, 32-40.	2.2	48
139	Synthesis and Characterization of Tetraborate Pillared Hydrotalcite. <i>Chemistry of Materials</i> , 1996, 8, 204-208.	3.2	47
140	Dioxomolybdenum(VI)-Modified Mesoporous MCM-41 and MCM-48 Materials for the Catalytic Epoxidation of Olefins. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 3870-3877.	1.0	47
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