

# Joao Rocha

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

554  
papers

20,615  
citations

66  
h-index

114  
g-index

619  
ext. papers

22,114  
ext. citations

5.6  
avg, IF

6.79  
L-index

#	Paper	IF	Citations
554	Push-pulling induces the excited-state intramolecular proton transfer in 2'-aminochalcones. <i>Dyes and Pigments</i> , <b>2022</b> , 202, 110275	4.6	1
553	Solketal Production via Solvent-Free Acetalization of Glycerol over Triphosphonic-Lanthanide Coordination Polymers. <i>Catalysts</i> , <b>2021</b> , 11, 598	4	1
552	Storage and delivery of H <sub>2</sub> S by microporous and mesoporous materials. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 320, 111093	5.3	1
551	Improved therapeutic nitric oxide delivery by microporous Cu-bearing titanosilicate. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 322, 111154	5.3	
550	Difluoroborate complexes based on 2'-hydroxyphenones as solid-state fluorophores. <i>Dyes and Pigments</i> , <b>2021</b> , 184, 108720	4.6	4
549	Selective separation of hibiscus acid from Roselle extracts by an amino-functionalized Metal Organic Framework. <i>Journal of Chromatography A</i> , <b>2021</b> , 1636, 461789	4.5	2
548	Statics and dynamics of ferroelectric domains in molecular multiaxial ferroelectric (Me <sub>3</sub> NOH) <sub>2</sub> [KCo(CN) <sub>6</sub> ]. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 10741-10748	7.1	3
547	The Surfaces of the L. (Carob) Leaflet: Insights from Physics and Chemistry. <i>Langmuir</i> , <b>2021</b> , 37, 2011-2028		2
546	What Is Being Measured with P-Bearing NMR Probe Molecules Adsorbed on Zeolites?. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 13616-13623	16.4	4
545	Lanthanopolyoxometalate-Silica Core/Shell Nanoparticles as Potential MRI Contrast Agents. <i>European Journal of Inorganic Chemistry</i> , <b>2021</b> , 2021, 3458-3465	2.3	0
544	Bone Tissue Disorders: Healing Through Coordination Chemistry. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 15416-15437	4.8	3
543	Microwave synthesis of metal-organic frameworks <b>2020</b> , 159-176		
542	Cryogenic Luminescent Ratiometric Thermometers Based on Tetragonal Na[LnSiO <sub>4</sub> ] <sub>x</sub> NaOH (Ln = Gd, Tb, Eu; x [0,2]). <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 1852-1859	2.3	1
541	CICECO-Aveiro Institute of Materials: A Journey into the Future. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 2119-2120	2.3	1
540	Synthesis and luminescence properties of analogues of the green fluorescent protein chromophore. <i>Dyes and Pigments</i> , <b>2020</b> , 177, 108267	4.6	1
539	1,2,4-Triphenylpyrroles: Synthesis, Structure and Luminescence Properties. <i>Synlett</i> , <b>2020</b> , 31, 632-634	2.2	5
538	Quantification of Brønsted Acid Sites in Zeolites by Water Desorption Thermogravimetry. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 1860-1866	2.3	1

537	Electroactive Organic Building Blocks for the Chemical Design of Functional Porous Frameworks (MOFs and COFs) in Electronics. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 10912-10935	4.8	22
536	Multicomponent Synthesis of Luminescent Iminoboronates. <i>Molecules</i> , <b>2020</b> , 25,	4.8	1
535	Nature of the multicomponent crystal of salicylic acid and 1,2-phenylenediamine. <i>CrystEngComm</i> , <b>2020</b> , 22, 708-719	3.3	3
534	Colloidal (Gd <sub>0.98</sub> Nd <sub>0.02</sub> ) <sub>2</sub> O <sub>3</sub> nanothermometers operating in a cell culture medium within the first and second biological windows. <i>Journal of Rare Earths</i> , <b>2020</b> , 38, 483-491	3.7	6
533	Adsorption heat pumps for heating applications. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 119, 109528	16.2	26
532	Decoding a Percolation Phase Transition of Water at ~330 K with a Nanoparticle Ruler. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 6704-6711	6.4	5
531	Pyrene Tetrakisphosphonate-Based Metal-Organic Framework: Structure and Photoluminescence. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 3565-3572	2.3	
530	Frontispiece: Electroactive Organic Building Blocks for the Chemical Design of Functional Porous Frameworks (MOFs and COFs) in Electronics. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26,	4.8	1
529	Photoresponsive Organic-Inorganic Hybrid Ferroelectric Designed at the Molecular Level. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 16990-16998	16.4	40
528	Cooperative Capture of Uranyl Ions by a Carbonyl-Bearing Hierarchical-Porous Cu-Organic Framework. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18808-18812	16.4	25
527	Fluorescent Light-up Probe for the Detection of Protein Aggregates. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 859-863	4.5	4
526	Zooming in with QSPR on Friedel-Crafts acylation reactions over modified BEA zeolites. <i>Molecular Catalysis</i> , <b>2019</b> , 476, 110495	3.3	7
525	New generation of nitric oxide-releasing porous materials: Assessment of their potential to regulate biological functions. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2019</b> , 90, 29-36	5	8
524	Mg- and Mn-MOFs Boost the Antibiotic Activity of Nalidixic Acid.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 2347-2354	4.17	
523	Hybrid organic-inorganic perovskites: Polar properties and applications. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 387, 398-414	23.2	60
522	IRMOF-3 Biological Activity Enhancement by Post-Synthetic Modification. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 1243-1249	2.3	31
521	Luminescent Nanothermometers Obtained by Post-Synthetic Modification of Metal-Organic Framework MIL-68. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 1354-1359	2.3	4
520	Electronic, Structural and Functional Versatility in Tetrathiafulvalene-Lanthanide Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 12636-12643	4.8	24

519	Cooperative Capture of Uranyl Ions by a Carbonyl-Bearing Hierarchical-Porous Cu <sup>II</sup> Organic Framework. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 18984-18988	3.6	5
518	One-dimensional ladder gallium coordination polymer. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2019</b> , 75, 1607-1612	0.7	
517	Gd- and Eu-Loaded Iron Oxide@Silica Core-Shell Nanocomposites as Trimodal Contrast Agents for Magnetic Resonance Imaging and Optical Imaging. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 16618-16628	5.1	9
516	H-P HETCOR NMR elucidates the nature of acid sites in zeolite HZSM-5 probed with trimethylphosphine oxide. <i>Chemical Communications</i> , <b>2019</b> , 55, 12635-12638	5.8	11
515	Detoxification of a Mustard-Gas Simulant by Nanosized Porphyrin-Based Metal <sup>II</sup> Organic Frameworks. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 465-469	5.6	22
514	Hydrogen bonding networks in gabapentin protic pharmaceutical salts: NMR and in silico studies. <i>Magnetic Resonance in Chemistry</i> , <b>2019</b> , 57, 243-255	2.1	1
513	Rare-Earth Germanate Visible, Near-Infrared, and Up-Conversion Emitters. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 2444-2451	2.3	1
512	Bifunctional Porphyrin-Based Nano-Metal-Organic Frameworks: Catalytic and Chemosensing Studies. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 3855-3864	5.1	33
511	Inorganic Ion Exchangers for Cesium Removal from Radioactive Wastewater. <i>Separation and Purification Reviews</i> , <b>2018</b> , 47, 306-336	7.3	26
510	Metal <sup>II</sup> Organic Frameworks assembled from tetraphosphonic ligands and lanthanides. <i>Coordination Chemistry Reviews</i> , <b>2018</b> , 355, 133-149	23.2	61
509	The role of Li in the upconversion emission enhancement of (YYbEr) <sub>2</sub> O nanoparticles. <i>Nanoscale</i> , <b>2018</b> , 10, 15799-15808	7.7	17
508	Kinetic and equilibrium studies on the removal of 14C-ethion residues from wastewater by copper-based metal <sup>II</sup> organic framework. <i>International Journal of Environmental Science and Technology</i> , <b>2018</b> , 15, 2283-2294	3.3	25
507	Revisiting the crystal structure of dickite: X-ray diffraction, solid-state NMR, and DFT calculations study. <i>American Mineralogist</i> , <b>2018</b> , 103, 812-818	2.9	3
506	Aggregation-induced emission enhancement of chiral boranils. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 18166-18173	5.4	13
505	Magnetic and luminescent coordination networks based on imidazolium salts and lanthanides for sensitive ratiometric thermometry. <i>Beilstein Journal of Nanotechnology</i> , <b>2018</b> , 9, 2775-2787	3	14
504	Tunable Color of Aggregation-Induced Emission Enhancement in a Family of Hydrogen-Bonded Azines and Schiff Bases. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 17262-17267	4.8	17
503	Near-Infrared Ratiometric Luminescent Thermometer Based on a New Lanthanide Silicate. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 11926-11935	4.8	24
502	Microwave Synthesis of a photoluminescent Metal-Organic Framework based on a rigid tetraphosphonate linker. <i>Inorganica Chimica Acta</i> , <b>2017</b> , 455, 584-594	2.7	12

501	Building Light-Emitting Metal-Organic Frameworks by Post-Synthetic Modification. <i>ChemistrySelect</i> , <b>2017</b> , 2, 136-139	1.8	27
500	PorphyrinBoron diketonate dyads. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 2186-2192	3.6	8
499	Cu-BTC metal-organic framework natural fabric composites for fuel purification. <i>Fuel Processing Technology</i> , <b>2017</b> , 159, 306-312	7.2	70
498	Comparison of different silica microporous structures as drug delivery systems for in vitro models of solid tumors. <i>RSC Advances</i> , <b>2017</b> , 7, 13104-13111	3.7	18
497	Antimosquito Activity of a Titanium-Organic Framework Supported on Fabrics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 22112-22120	9.5	50
496	Halogen-bonded dimers and ribbons from the self-assembly of 3-halobenzophenones. <i>CrystEngComm</i> , <b>2017</b> , 19, 2202-2206	3.3	4
495	Unusual seeding mechanism for enhanced performance in solid-phase magnetic extraction of Rare Earth Elements. <i>Scientific Reports</i> , <b>2017</b> , 7, 43740	4.9	8
494	Excimer Formation in a Terbium MetalOrganic Framework Assists Luminescence Thermometry. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 9547-9554	9.6	50
493	Photoluminescent Lanthanide-Organic Framework Based on a Tetraphosphonic Acid Linker. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 5191-5199	3.5	17
492	Visible-Light Excited Luminescent Thermometer Based on Single Lanthanide Organic Frameworks. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 8677-8684	15.6	143
491	Cs+ removal and optical detection by microporous lanthanide silicate Eu-AV-20 in a fixed-bed column. <i>Chemical Engineering Journal</i> , <b>2016</b> , 286, 48-58	14.7	8
490	The effect of natural zeolite on microstructure, mechanical and heavy metals adsorption properties of metakaolin based geopolymers. <i>Applied Clay Science</i> , <b>2016</b> , 126, 141-152	5.2	116
489	Tb/Eu-AV-9: A lanthanide silicate for the sensing and removal of cesium ions from aqueous solutions. <i>Chemical Engineering Journal</i> , <b>2016</b> , 286, 679-688	14.7	9
488	Analysis of equilibrium and kinetic parameters of water adsorption heating systems for different porous metal/metalloid oxide adsorbents. <i>Applied Thermal Engineering</i> , <b>2016</b> , 100, 215-226	5.8	9
487	Luminescence properties of lanthanide-containing layered double hydroxides. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 226, 209-220	5.3	20
486	Instantaneous ballistic velocity of suspended Brownian nanocrystals measured by upconversion nanothermometry. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 851-856	28.7	227
485	Nanoplatfoms for Plasmon-Induced Heating and Thermometry. <i>ChemNanoMat</i> , <b>2016</b> , 2, 520-527	3.5	26
484	Cryogenic Nanothermometer Based on the MIL-103(Tb,Eu) MetalOrganic Framework. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 1967-1971	2.3	43

483	Fixed-bed removal of Cs <sup>+</sup> from aqueous solutions by microporous silicate ETS-4: Measurement and modeling of loading-regeneration cycles. <i>Chemical Engineering Journal</i> , <b>2016</b> , 301, 276-284	14.7	4
482	Storage and delivery of nitric oxide by microporous titanosilicate ETS-10 and Al and Ga substituted analogues. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 229, 83-89	5.3	13
481	Photoluminescent Nanocrystals in a Multicomponent Aluminoborosilicate Glass. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 24925-24931	3.8	
480	Lanthanide Organic Framework Luminescent Thermometers. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 14782-14795	4.8	312
479	Aggregation-induced emission enhancement in halochalcones. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 8198-8201	3.2	17
478	A Lamellar Coordination Polymer with Remarkable Catalytic Activity. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 13136-46	4.8	20
477	Implementing luminescence thermometry at 1.3 $\mu\text{m}$ using (GdNd) <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Journal of Luminescence</i> , <b>2016</b> , 180, 25-30	3.8	33
476	Engineering lanthanide-optical centres in IRMOF-3 by post-synthetic modification. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 4249-4258	3.6	34
475	Application of the novel ETS-10/water pair in cyclic adsorption heating processes: Measurement of equilibrium and kinetics properties and simulation studies. <i>Applied Thermal Engineering</i> , <b>2015</b> , 87, 412-423	5.8	14
474	Synthesis, Post-Modification and Fluorescence Properties of Boron Diketonate Complexes. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 3423-3426	3.2	28
473	Lanthanide Organic Framework Nanothermometers Prepared by Spray-Drying. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 2824-2830	15.6	210
472	Boosting the sensitivity of Nd(3+)-based luminescent nanothermometers. <i>Nanoscale</i> , <b>2015</b> , 7, 17261-7	7.7	172
471	Calcium Phosphonate Frameworks for Treating Bone Tissue Disorders. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 9929-35	5.1	31
470	Peculiar Magnetoelectric Coupling in BaTiO <sub>3</sub> /Fe <sub>3</sub> O <sub>4</sub> Nanoscopic Segregations. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 24741-7	9.5	9
469	Modelling the Luminescence of Phosphonate Lanthanide Organic Frameworks. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 1254-1260	2.3	7
468	Metal Organic Frameworks: Lanthanide Organic Framework Nanothermometers Prepared by Spray-Drying (Adv. Funct. Mater. 19/2015). <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 2939-2939	15.6	
467	Enhanced photocatalytic activity of MIL-125 by post-synthetic modification with Cr(III) and Ag nanoparticles. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 11072-81	4.8	74
466	Influence of the Crystal Structure on the Luminescence Properties of Mixed Eu,La(1,10-Phenanthroline) Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 4861-4868	2.3	9

465	Photoluminescent thermometer based on a phase-transition lanthanide silicate with unusual structural disorder. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 3051-8	16.4	112
464	Micro- and Mesoporous Structures as Drug Delivery Carriers for Salicylic Acid. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 3589-3595	3.8	13
463	Cs <sup>+</sup> ion exchange over lanthanide silicate Eu-AV-20: Experimental measurement and modelling. <i>Chemical Engineering Journal</i> , <b>2015</b> , 268, 208-218	14.7	11
462	Microporous titanosilicates Cu- and Co-ETS-4 for storage and slow release of therapeutic nitric oxide. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 224-230	7.3	15
461	Structure, topology, gas adsorption and photoluminescence of multifunctional porous RE <sup>3+</sup> -furan-2,5-dicarboxylate metal organic frameworks. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 188, 172-181	5.3	22
460	Crystal structure, topology, tiling and photoluminescence properties of 4d <sup>9</sup> f hetero-metal organic frameworks based on 3,5-pyrazoledicarboxylate. <i>RSC Advances</i> , <b>2014</b> , 4, 7818	3.7	11
459	Designing Near-Infrared and Visible Light Emitters by Postsynthetic Modification of Ln <sup>3+</sup> IRMOF-3. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 5285-5295	2.3	38
458	Multifunctional micro- and nanosized metal-organic frameworks assembled from bisphosphonates and lanthanides. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 3311	7.1	40
457	Coordination polymers based on a glycine-derivative ligand. <i>CrystEngComm</i> , <b>2014</b> , 16, 8119-8137	3.3	5
456	Photoluminescent layered lanthanide-organic framework based on a novel trifluorotriphosphonate organic linker. <i>CrystEngComm</i> , <b>2014</b> , 16, 344-358	3.3	18
455	A multidisciplinary approach to evaluate the efficiency of a clean-up technology to remove mercury from water. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2014</b> , 93, 138-43	2.7	3
454	Formation of Photoluminescent Lead Bromide Nanoparticles on Aluminoborosilicate Glass. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 12436-12442	3.8	1
453	Luminescent bi-metallic fluoroborate derivatives of bulky salen ligands. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 5411-5414	3.6	18
452	$\beta$ -pyrroline based boranyls: Synthesis, crystal structures and luminescent properties. <i>Dyes and Pigments</i> , <b>2014</b> , 111, 16-20	4.6	18
451	Solid-State NMR Applications in the Structural Elucidation of Small Molecules <b>2014</b> , 173-240		
450	Hybrid silica nanoparticles for sequestration and luminescence detection of trivalent rare-earth ions (Dy <sup>3+</sup> and Nd <sup>3+</sup> ) in solution. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	18
449	Monitoring hydration in lime-metakaolin composites using electrochemical impedance spectroscopy and nuclear magnetic resonance spectroscopy <i>Clay Minerals</i> , <b>2014</b> , 49, 341-358	1.3	13
448	Cobalt(II)-pyrazine-chloride coordination polymers: synthesis, reactivity and magnetic properties. <i>CrystEngComm</i> , <b>2014</b> , 16, 10439-10444	3.3	9

447	Catalytic behavior of alkali-treated Pt/HMOR in n-hexane hydroisomerization. <i>Applied Catalysis A: General</i> , <b>2014</b> , 476, 148-157	5.1	21
446	Photoluminescent Epoxy/Gd <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> UV-cured Nanocomposites. <i>Macromolecular Materials and Engineering</i> , <b>2013</b> , 298, 181-189	3.9	7
445	Ratiometric nanothermometer based on an emissive Ln <sup>3+</sup> -organic framework. <i>ACS Nano</i> , <b>2013</b> , 7, 7213-86.7	8.6.7	280
444	Energy-transfer from Gd(III) to Tb(III) in (Gd,Yb,Tb)PO <sub>4</sub> nanocrystals. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 15565-71	3.6	39
443	Core-shell magnetite-silica dithiocarbamate-derivatised particles achieve the Water Framework Directive quality criteria for mercury in surface waters. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 5963-74	5.1	19
442	Photoluminescent Zeolite-Type Lanthanide Silicates <b>2013</b> , 87-110		0
441	Near-infrared emitters based on post-synthetic modified Ln(3+)-IRMOF-3. <i>Chemical Communications</i> , <b>2013</b> , 49, 5019-21	5.8	48
440	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> , <b>2013</b> , 112, 237-44	6	76
439	Preparation of crystal-like periodic mesoporous phenylene-silica derivatized with ferrocene and its use as a catalyst for the oxidation of styrene. <i>Dalton Transactions</i> , <b>2013</b> , 42, 14612-20	4.3	5
438	Synthesis and characterization of polymorphs of photoluminescent Eu(III)-(2,5-furandicarboxylic acid, oxalic acid) MOFs. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 204, 321-328	3.3	31
437	Conversion of furfuryl alcohol to ethyl levulinate using porous aluminosilicate acid catalysts. <i>Catalysis Today</i> , <b>2013</b> , 218-219, 76-84	5.3	101
436	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> , <b>2013</b> , 25, 4868-74	24	219
435	Crystallization-induced light-emission enhancement of diphenylmethane derivatives. <i>Tetrahedron</i> , <b>2013</b> , 69, 9329-9334	2.4	17
434	Transposition of chirality from diphosphonate metal-organic framework precursors onto porous lanthanide pyrophosphates. <i>Chemical Communications</i> , <b>2013</b> , 49, 11668-70	5.8	19
433	Oxidation of cyclohexane by transition-metal complexes with biomimetic ligands. <i>Catalysis Today</i> , <b>2013</b> , 203, 81-86	5.3	44
432	Supramolecular assemblies and magnetic behaviors of the M(II)/p-aminopyridine/malonate (M = Ni, Mn, Cu, Co) systems. <i>Polyhedron</i> , <b>2013</b> , 57, 112-117	2.7	5
431	Supramolecular organization of bis(3-halo-4-dimethylaminobenzylidene)hydrazines. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1035, 1-5	3.4	4
430	Synthesis, crystal structure, and luminescence of tetrakis(4-methoxyphenyl)methane. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 2870-2873	2	10



429	Mixed Cu(II)Bi(III) metal organic framework with a 2D inorganic subnetwork and its catalytic activity. <i>CrystEngComm</i> , <b>2013</b> , 15, 3776	3.3	28
428	Lanthanide-polyphosphonate coordination polymers combining catalytic and photoluminescence properties. <i>Chemical Communications</i> , <b>2013</b> , 49, 6400-2	5.8	46
427	Metal-Organic Frameworks Assembled From Erbium Tetramers and 2,5-Pyridinedicarboxylic Acid. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 2607-2617	3.5	25
426	meso-Tetraphenylbenzoporphyrin-2(2),2(3)-dicarboxylic anhydride: a platform to benzoporphyrin derivatives. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 6622-31	4.2	4
425	NMR Crystallography: Toward Chemical Shift-Driven Crystal Structure Determination of the $\beta$ -Lactam Antibiotic Amoxicillin Trihydrate. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 2390-2395	3.5	40
424	Chiral microporous rare-earth silico-germanates: Synthesis, structure and photoluminescence properties. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 166, 50-58	5.3	13
423	Efficient sorbents based on magnetite coated with siliceous hybrid shells for removal of mercury ions. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 8134	13	64
422	Synthesis of Unsymmetrical Methylenebisphenol Derivatives. <i>Synlett</i> , <b>2013</b> , 24, 762-764	2.2	15
421	Photoluminescent Metal-Organic Frameworks [Rapid Preparation, Catalytic Activity, and Framework Relationships. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 5576-5591	2.3	11
420	Modification of MCM-22 zeolite through sequential post-synthesis treatments. Implications on the acidic and catalytic behaviour. <i>Applied Catalysis A: General</i> , <b>2012</b> , 445-446, 329-338	5.1	27
419	(Gd,Yb,Tb)PO <sub>4</sub> up-conversion nanocrystals for bimodal luminescence-MR imaging. <i>Nanoscale</i> , <b>2012</b> , 4, 5154-62	7.7	48
418	Combining multinuclear high-resolution solid-state MAS NMR and computational methods for resonance assignment of glutathione tripeptide. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 6711-9	2.8	39
417	Highly emissive Zn-Ln metal-organic frameworks with an unusual 3D inorganic subnetwork. <i>Chemical Communications</i> , <b>2012</b> , 48, 7964-6	5.8	33
416	Multi-functional metal-organic frameworks assembled from a tripodal organic linker. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 18354		48
415	Zeolite Structures Loading with an Anticancer Compound As Drug Delivery Systems. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 25642-25650	3.8	100
414	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> , <b>2012</b> , 51, 1703-16	5.1	62
413	Synthesis and Permeation Properties of Small-Pore Titanosilicate AM-3 Membranes. <i>Procedia Engineering</i> , <b>2012</b> , 44, 926-927		2
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411	Ligand design for functional metal-organic frameworks. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 1088-110	58.5	659
410	Silica Nanoparticles for Bimodal MRI/Optical Imaging by Grafting Gd <sup>3+</sup> and Eu <sup>3+</sup> /Tb <sup>3+</sup> Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 2828-2837	2.3	23
409	CoII/ZnII(L-Tyrosine) Magnetic Metal-Organic Frameworks. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 5259-5268	2.3	15
408	Lanthanide-DTPA grafted silica nanoparticles as bimodal-imaging contrast agents. <i>Biomaterials</i> , <b>2012</b> , 33, 925-35	15.6	43
407	Light-emitting lanthanide-based organic/inorganic hybrids. <i>Acta Crystallographica Section A: Foundations and Advances</i> , <b>2012</b> , 68, s49-s49		
406	Dimethyl 5,5'-methyl-enebis(2-hydroxy-benzoate). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1404		1
405	Emission-Decay Curves, Energy-Transfer and Effective-Refractive Index in Gd <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> Nanorods. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 15297-15303	3.8	52
404	Adsorption and Activation of CO <sub>2</sub> by Amine-Modified Nanoporous Materials Studied by Solid-State NMR and <sup>13</sup> CO <sub>2</sub> Adsorption. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 1387-1395	9.6	147
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402	Inclusion of potassium 4,4'-biphenyldicarboxylate into $\beta$ -cyclodextrin: the design and synthesis of an organic secondary building unit. <i>New Journal of Chemistry</i> , <b>2011</b> , 35, 1280	3.6	4
401	Microwave-assisted synthesis of metal-organic frameworks. <i>Dalton Transactions</i> , <b>2011</b> , 40, 321-30	4.3	349
400	Synthesis and catalytic properties of molybdenum(VI) complexes with tris(3,5-dimethyl-1-pyrazolyl)methane. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 3490-500	5.1	42
399	Fixed-bed removal of Hg <sup>2+</sup> from contaminated water by microporous titanosilicate ETS-4: Experimental and theoretical breakthrough curves. <i>Microporous and Mesoporous Materials</i> , <b>2011</b> , 145, 32-40	5.3	42
398	Syntheses, structures and properties of two cadmium compounds containing neutral or in situ protonized 1,4-diazabicyclo[2.2.2]octane. <i>Journal of Molecular Structure</i> , <b>2011</b> , 1004, 26-30	3.4	4
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396	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> , <b>2011</b> , 133, 15120-38	16.4	51
395	Titanosilicate AM-3 membrane: A new potential candidate for H <sub>2</sub> separation. <i>Microporous and Mesoporous Materials</i> , <b>2011</b> , 137, 43-48	5.3	13
394	Mixed-Metal d-f Phosphonate Frameworks [Photoluminescence and Magnetic Properties]. <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, 2035-2044	2.3	23

393	Multiwavelength Luminescence in Lanthanide-Doped Hydrocalumite and Mayenite. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 1993-2004	9.6	37
392	Desilication of MOR zeolite: Conventional versus microwave assisted heating. <i>Applied Catalysis A: General</i> , <b>2011</b> , 402, 59-68	5.1	41
391	Direct synthesis without addition of acid of Al-SBA-15 with controllable porosity and high hydrothermal stability. <i>Microporous and Mesoporous Materials</i> , <b>2011</b> , 142, 526-534	5.3	45
390	A new supramolecular organic/inorganic adduct: $\{[\text{Eu}(\text{CH}_3\text{OH})(\text{H}_2\text{O})_8]_2[\text{Eu}(\text{H}_2\text{O})_8][\text{PW}_{12}\text{O}_{40}]_3\} \cdot 2(\text{C}_{14}\text{H}_{20}\text{O}_5) \cdot 2(\text{C}_{28}\text{H}_{40}\text{O}_{10}) \cdot 16(\text{CH}_3\text{OH}) \cdot 16(\text{H}_2\text{O})$ . <i>Journal of Molecular Structure</i> , <b>2011</b> , 989, 80-85	3.4	1
389	Metal-organic framework based on copper(I) sulfate and 4,4'-bipyridine catalyzes the cyclopropanation of styrene. <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 2196-2203	3.3	26
388	Improving the 1H indirect dimension resolution of 2D CRAMPS NMR spectra: a simulation and experimental investigation. <i>Solid State Nuclear Magnetic Resonance</i> , <b>2011</b> , 39, 81-7	3.1	1
387	Catalytic performance of ceria nanorods in liquid-phase oxidations of hydrocarbons with tert-butyl hydroperoxide. <i>Molecules</i> , <b>2010</b> , 15, 747-65	4.8	30
386	Diaqua-bis(ethyl-enediamine- $\kappa, N'$ )copper(II) bis-(4-phenyl-benzoate) 2.66-hydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, m626-7		3
385	(R)-(1-Ammonio-ethyl)phosphate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o2271-2		4
384	trans-Bis(4,7-diphenyl-1,10-phenanthroline- $\kappa, N'$ )bis-(nitrate- $\kappa, O'$ )zinc(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, m1608-9		
383	Trimethyl 2,2',2''-[1,3,5-triazine-2,4,6-tri-yltris-(aza-nedi-yl)]triacetate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o3243-4		1
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381	Revisiting the thermal decomposition of layered gamma-titanium phosphate and structural elucidation of its intermediate phases. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 2630-8	5.1	15
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378	Evaluation of $[\text{Ln}(\text{H}_2\text{cmf})(\text{H}_2\text{O})]$ metal organic framework materials for potential application as magnetic resonance imaging contrast agents. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 2969-74	5.1	73
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376	Photoluminescent lanthanide-organic bilayer networks with 2,3-pyrazinedicarboxylate and oxalate. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 3428-40	5.1	92

375	Metal organic frameworks assembled from Y(III), Na(I), and chiral flexible-achiral rigid dicarboxylates. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 7917-26	5.1	34
374	Modelling gas permeation through new microporous titanosilicate AM-3 membranes. <i>Chemical Engineering Journal</i> , <b>2010</b> , 165, 395-404	14.7	15
373	Effect of pH and temperature on Hg <sup>2+</sup> water decontamination using ETS-4 titanosilicate. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 175, 439-44	12.8	29
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371	Synthesis, structures and magnetic properties of three metal-organic frameworks containing manganese(II). <i>Transition Metal Chemistry</i> , <b>2010</b> , 35, 779-786	2.1	8
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347	Magnetic properties of compounds. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 253-258	3.3	24
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344	Cadmium(II) removal from aqueous solution using microporous titanosilicate ETS-10. <i>Chemical Engineering Journal</i> , <b>2009</b> , 155, 108-114	14.7	22
343	Combining STMAS and CRAMPS NMR spectroscopy: High-resolution HETCOR NMR spectra of quadrupolar and 1H nuclei in solids. <i>Chemical Physics Letters</i> , <b>2009</b> , 470, 337-341	2.5	16
342	Priority pollutants (Hg <sup>2+</sup> and Cd <sup>2+</sup> ) removal from water by ETS-4 titanosilicate. <i>Desalination</i> , <b>2009</b> , 249, 742-747	10.3	33
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324	Energy Transfer and Emission Decay Kinetics in Mixed Microporous Lanthanide Silicates with Unusual Dimensionality. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 260-268	3.8	18
323	Porous Materials Prepared from Clays for the Upgrade of Landfill Gas. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 14394-14402	3.8	51
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3 <sup>21</sup>	Hydro-Ionothermal Synthesis of Lanthanide-Organic Frameworks with 1,4-Phenylenebis(methylene)diphosphonate. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 3917-3920	3.5	56
3 <sup>20</sup>	Engineering optical centres in microporous silicates and MOFs. <i>Studies in Surface Science and Catalysis</i> , <b>2008</b> , 79-84	1.8	1
3 <sup>19</sup>	<sup>27</sup> Al and <sup>29</sup> Si NMR and XRD characterisation of clinkers: standard phases and new waste based formulations. <i>Advances in Applied Ceramics</i> , <b>2008</b> , 107, 37-45	2.3	3
3 <sup>18</sup>	Immobilisation of Ferricinium Cation into ETS-10 by Ion Exchange under Microwave Irradiation. <i>Materials Science Forum</i> , <b>2008</b> , 587-588, 453-457	0.4	1
3 <sup>17</sup>	Catalytic Performance of Copper-Substituted Polyoxotungstate Materials and X-Ray Structure of a New Sandwich-Type Compound. <i>Materials Science Forum</i> , <b>2008</b> , 587-588, 538-542	0.4	1
3 <sup>16</sup>	Uptake of Hg <sup>2+</sup> from aqueous solutions by microporous titano- and zircono-silicates. <i>Quimica Nova</i> , <b>2008</b> , 31, 321-325	1.6	21
3 <sup>15</sup>	Photoluminescent microporous lanthanide silicate AV-21 frameworks. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 8157-68	4.8	16
3 <sup>14</sup>	Metal-organic nanoporous structures with anisotropic photoluminescence and magnetic properties and their use as sensors. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 1080-3	16.4	367
3 <sup>13</sup>	Metal-Organic Nanoporous Structures with Anisotropic Photoluminescence and Magnetic Properties and Their Use as Sensors. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 1096-1099	3.6	69
3 <sup>12</sup>	Improved Ti-silicate umbite membranes for the separation of H <sub>2</sub> . <i>Journal of Membrane Science</i> , <b>2008</b> , 323, 207-212	9.6	11
3 <sup>11</sup>	Mercury removal with titanosilicate ETS-4: Batch experiments and modelling. <i>Microporous and Mesoporous Materials</i> , <b>2008</b> , 115, 98-105	5.3	37
3 <sup>10</sup>	Synthesis, structure and magnetic behaviour of mixed metal leucophosphite. <i>Journal of Solid State Chemistry</i> , <b>2008</b> , 181, 1330-1336	3.3	3
3 <sup>09</sup>	Practical aspects of Lee-Goldburg based CRAMPS techniques for high-resolution <sup>1</sup> H NMR spectroscopy in solids: implementation and applications. <i>Journal of Magnetic Resonance</i> , <b>2008</b> , 194, 264-322	3.2	50
3 <sup>08</sup>	Isomerization of d-glucose to d-fructose over metallosilicate solid bases. <i>Applied Catalysis A: General</i> , <b>2008</b> , 339, 21-27	5.1	88
3 <sup>07</sup>	A novel germanium(IV) oxalate complex: [Ge(OH) <sub>2</sub> (C <sub>2</sub> O <sub>4</sub> ) <sub>2</sub> ] <sub>2</sub> ·2H <sub>2</sub> O. <i>Inorganic Chemistry Communication</i> , <b>2008</b> , 11, 283-287	3.1	8
3 <sup>06</sup>	New waste based clinkers: Belite and lime formulations. <i>Cement and Concrete Research</i> , <b>2008</b> , 38, 511-521	10.3	34
3 <sup>05</sup>	Photoluminescence and quantum yields of organic/inorganic hybrids prepared through formic acid solvolysis. <i>Optical Materials</i> , <b>2008</b> , 30, 1058-1064	3.3	31
3 <sup>04</sup>	Microwave-hydrothermally aged Zn,Al hydrotalcite-like compounds: Influence of the composition and the irradiation conditions. <i>Microporous and Mesoporous Materials</i> , <b>2008</b> , 110, 292-302	5.3	63

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287	Decaquadioxobis[ $\beta$ -N-(phosphonomethyl)iminodiacetato]dimanganesedivanadium dihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, m372-m375		6
286	Redetermination of dipotassium $\beta$ -xo-bis[aqua(oxalato- $\mu$ O,O')dioxomolybdate(VI)] at 150 K. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, m376-m378		3



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284	Crystal structure, local sodium environments and ion dynamics in Na <sub>0.8</sub> Ni <sub>0.6</sub> Sb <sub>0.4</sub> O <sub>2</sub> , a new mixed antimonate. <i>Solid State Ionics</i> , <b>2007</b> , 178, 1360-1365	3.3	4
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282	Crystallization of microporous titanosilicate membranes from clear solutions. <i>Studies in Surface Science and Catalysis</i> , <b>2007</b> , 493-498	1.8	3
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