

Jagadese J Vittal

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.

521
papers

21,271
citations

71
h-index

115
g-index

565
ext. papers

22,678
ext. citations

5.7
avg. IF

7.25
L-index

#	Paper	IF	Citations
521	Multistimuli-Responsive Dynamic Effects in a One-Dimensional Coordination Polymer. <i>Chemistry of Materials</i> , 2022 , 34, 178-185	9.6	4
520	Control of interpenetration and structural transformations in the interpenetrated MOFs. <i>Coordination Chemistry Reviews</i> , 2021 , 435, 213789	23.2	15
519	Construction of 2D Interdigitated Polyrotaxane Layers and their Transformation to a 3D Polyrotaxane by a Photocycloaddition Reaction between Wheels. <i>Inorganic Chemistry</i> , 2021 , 60, 8285-8292	5.1	0
518	Multifunctional Properties of a Zn(II) Coordination Complex. <i>Crystal Growth and Design</i> , 2021 , 21, 3401-3408	3.98	4
517	Anisotropic Two-Photon Absorption and Second Harmonic Generation in Single Crystals of Silver(I) Coordination Complexes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 31891-31897	9.5	0
516	Mechanical Bending and Modulation of Photoactuation Properties in a One-Dimensional Pb(II) Coordination Polymer. <i>Chemistry of Materials</i> , 2021 , 33, 4621-4627	9.6	15
515	Reversible Thermosalience in a One-Dimensional Coordination Polymer Preceded by Anisotropic Thermal Expansion and the Shape Memory Effect. <i>Journal of the American Chemical Society</i> , 2021 , 143, 2088-2096	16.4	18
514	Two-Dimensional Metal-Organic Framework Materials: Synthesis, Structures, Properties and Applications. <i>Chemical Reviews</i> , 2021 , 121, 3751-3891	68.1	131
513	Catecholase-like activity in 2D MOFs: Oxidation of 3,5-DTBC by two Cu(II) 2D MOFs of reduced Schiff base ligands. <i>Inorganica Chimica Acta</i> , 2021 , 526, 120502	2.7	0
512	Dynamic effects in crystalline coordination polymers. <i>CrystEngComm</i> , 2021 , 23, 5738-5752	3.3	5
511	Rotation of a helical coordination polymer by mechanical grinding. <i>Chemical Communications</i> , 2020 , 56, 6289-6292	5.8	6
510	Water Stable Zn(II) Metal-Organic Framework as a Selective and Sensitive Luminescent Probe for Fe(III) and Chromate Ions. <i>Inorganic Chemistry</i> , 2020 , 59, 8818-8826	5.1	64
509	Extraordinary anisotropic thermal expansion in photosalient crystals. <i>IUCrJ</i> , 2020 , 7, 83-89	4.7	23
508	Disappeared supramolecular isomer reappears with perylene guest. <i>IUCrJ</i> , 2020 , 7, 324-330	4.7	1
507	Innenrücktitelbild: Giant Enhancement of Second Harmonic Generation Accompanied by the Structural Transformation of 7-Fold to 8-Fold Interpenetrated Metal-Organic Frameworks (MOFs) (<i>Angew. Chem. 2/2020</i>). <i>Angewandte Chemie</i> , 2020 , 132, 971-971	3.6	
506	Single-Crystal-to-Single-Crystal [2 + 2] Photocycloaddition Reaction in a Photosalient One-Dimensional Coordination Polymer of Pb(II). <i>Journal of the American Chemical Society</i> , 2020 , 142, 20117-20123	16.4	27
505	Giant Enhancement of Second Harmonic Generation Accompanied by the Structural Transformation of 7-Fold to 8-Fold Interpenetrated Metal-Organic Frameworks (MOFs). <i>Angewandte Chemie</i> , 2020 , 132, 843-848	3.6	6

504	Giant Enhancement of Second Harmonic Generation Accompanied by the Structural Transformation of 7-Fold to 8-Fold Interpenetrated Metal-Organic Frameworks (MOFs). <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 833-838	16.4	33
503	Chemical Patterning in Single Crystals of Metal-Organic Frameworks by [2+2] Cycloaddition Reaction. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14860-14864	16.4	25
502	Photosalient Behavior of Photoreactive Zn(II) Complexes. <i>Crystal Growth and Design</i> , 2019 , 19, 2542-2547	7.5	20
501	Solid-State Photochemical [2+2] Cycloaddition Reaction of Mn Complexes. <i>Chemistry - A European Journal</i> , 2019 , 25, 10394-10399	4.8	6
500	Chemical Patterning in Single Crystals of Metal-Organic Frameworks by [2+2] Cycloaddition Reaction. <i>Angewandte Chemie</i> , 2019 , 131, 15002-15006	3.6	
499	Metal Organo-Polymeric Framework via [2 + 2] Cycloaddition Reaction: Influence of Hydrogen Bonding on Depolymerization. <i>Crystal Growth and Design</i> , 2019 , 19, 1996-2000	3.5	23
498	Straight, bendable and bent organic crystals. <i>Chemical Communications</i> , 2019 , 55, 14749-14752	5.8	4
497	Multiphoton Absorption and Two-Photon-Pumped Random Lasing in Crystallites of a Coordination Polymer. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 777-781	3.8	15
496	Competition Between Head-to-Head and Head-to-Tail Photocycloaddition Reaction in the Solid State: A Case Study. <i>Crystal Growth and Design</i> , 2018 , 18, 3661-3667	3.5	2
495	Contrast Solid-State Photoreactive Behavior of Two Two-Dimensional Zn(II) Coordination Polymers. <i>Crystal Growth and Design</i> , 2018 , 18, 3693-3696	3.5	5
494	Structural Transformation of Photoreactive Helical Coordination Polymers to Two-Dimensional Structures. <i>Crystal Growth and Design</i> , 2018 , 18, 6221-6226	3.5	11
493	Isomerism in double-pillared-layer coordination polymers - structures and photoreactivity. <i>IUCrJ</i> , 2018 , 5, 182-189	4.7	13
492	Near-White Light Emission from Lead(II) Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2018 , 57, 11343-11348	5.1	36
491	Curved crystal morphology, photoreactivity and photosalient behaviour of mononuclear Zn(II) complexes. <i>IUCrJ</i> , 2017 , 4, 65-71	4.7	26
490	Nonlinear optical properties of a one-dimensional coordination polymer. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2936-2941	7.1	34
489	Regulating thermosalient behaviour in three polymorphs. <i>IUCrJ</i> , 2017 , 4, 202-203	4.7	5
488	Interpenetrated Double Pillared-Layer Coll MOFs with pcu Topology. <i>Australian Journal of Chemistry</i> , 2017 , 70, 461	1.2	4
487	Photochemical reactions of metal complexes in the solid state. <i>Dalton Transactions</i> , 2017 , 46, 7120-7140	4.3	48

486	Making Photoreactive trans-3-(n?-Pyridyl)acrylic Acid (n = 2, 3) with Head-to-Tail Orientation in the Solid State by Salt Formation. <i>Crystal Growth and Design</i> , 2017 , 17, 2694-2699	3.5	7
485	Engineering solid state structural transformations of metal complexes. <i>Coordination Chemistry Reviews</i> , 2017 , 342, 1-18	23.2	41
484	Two-Dimensional Arrangements of Bis(haloethynyl)benzenes Combining Halogen and Hydrogen Interactions. <i>Crystal Growth and Design</i> , 2017 , 17, 6212-6223	3.5	14
483	Tuning Two-Photon Absorption Cross Section in Metal Organic Frameworks. <i>Chemistry of Materials</i> , 2017 , 29, 7424-7430	9.6	23
482	Synthesis, structures and magnetic properties of isorecticular polyrotaxane-type two-dimensional coordination polymers. <i>RSC Advances</i> , 2017 , 7, 45582-45586	3.7	3
481	The role of structure and the metal ion in the fluorescence sensing of nitro compounds for a series of lanthanide(iii) 9,10-anthracene dicarboxylate coordination polymers. <i>Dalton Transactions</i> , 2017 , 47, 264-268	4.3	14
480	Halogen-Halogen Interactions in the Supramolecular Assembly of 2D Coordination Polymers and the CO ₂ Sorption Behavior. <i>Crystal Growth and Design</i> , 2016 , 16, 5514-5519	3.5	35
479	Supramolecular Isomerism and Polyrotaxane-Based Two-Dimensional Coordination Polymers. <i>Crystal Growth and Design</i> , 2016 , 16, 7278-7285	3.5	23
478	Enantioselective desymmetrization of cyclohexadienones via an intramolecular Rauhut-Currier reaction of allenates. <i>Nature Communications</i> , 2016 , 7, 13024	17.4	74
477	Molecular Scissoring: Facile 3D to 2D Conversion of Lanthanide Metal Organic Frameworks Via Solvent Exfoliation. <i>Inorganic Chemistry</i> , 2016 , 55, 10851-10854	5.1	31
476	Tunable Electrical Conductivity and Magnetic Property of the Two Dimensional Metal Organic Framework [Cu(TPyP)Cu ₂ (O ₂ CCH ₃) ₄]. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16154-9	9.5	72
475	RGO/Stibnite Nanocomposite as a Dual Anode for Lithium and Sodium Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 2479-2486	8.3	50
474	Synthesis, Characterization, and Photocatalytic Properties of In ₂ S ₃ , ZnIn ₂ S ₄ , and CdIn ₂ S ₄ Nanocrystals. <i>Crystal Growth and Design</i> , 2016 , 16, 2231-2238	3.5	67
473	Solid-state polymerisation via [2+2] cycloaddition reaction involving coordination polymers. <i>Chemical Communications</i> , 2016 , 52, 3989-4001	5.8	96
472	Influence of Interpenetration in Diamondoid MetalOrganic Frameworks on the Photoreactivity and Sensing Properties. <i>Crystal Growth and Design</i> , 2016 , 16, 2504-2508	3.5	26
471	Efficient Third Harmonic Generation in a MetalOrganic Framework. <i>Chemistry of Materials</i> , 2016 , 28, 3385-3390	9.6	44
470	Multiphoton harvesting metal-organic frameworks. <i>Nature Communications</i> , 2015 , 6, 7954	17.4	122
469	Influence of Angular Dicarboxylate Ligand on the Structures of Single and Double Pillared-Layer Coordination Polymers of Co(II). <i>Crystal Growth and Design</i> , 2015 , 15, 4156-4161	3.5	18

468	Synthesis and electrochemical investigation of novel phosphite based layered cathodes for Li-ion batteries. <i>RSC Advances</i> , 2015 , 5, 60630-60637	3.7	24
467	Photosalient Behavior of Photoreactive Crystals. <i>Chemistry of Materials</i> , 2015 , 27, 1821-1829	9.6	109
466	Formation of a Syndiotactic Organic Polymer Inside a MOF by a [2+2] Photo-Polymerization Reaction. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7313-7	16.4	94
465	Solid State Packing and Photoreactivity of Alkali Metal Salts of trans,trans-Muconate. <i>Crystal Growth and Design</i> , 2015 , 15, 5555-5559	3.5	11
464	Room temperature large-scale synthesis of layered frameworks as low-cost 4 V cathode materials for lithium ion batteries. <i>Scientific Reports</i> , 2015 , 5, 16270	4.9	34
463	A Step-by-Step Assembly of a 3D Coordination Polymer in the Solid-State by Desolvation and [2+2] Cycloaddition Reactions. <i>Chemistry - A European Journal</i> , 2015 , 21, 11948-53	4.8	18
462	Formation of a Syndiotactic Organic Polymer Inside a MOF by a [2+2] Photo-Polymerization Reaction. <i>Angewandte Chemie</i> , 2015 , 127, 7421-7425	3.6	20
461	Influence of Fluorine Substitution on the Unusual Solid-State [2 + 2] Photo-Cycloaddition Reaction between an Olefin and an Aromatic Ring. <i>Crystal Growth and Design</i> , 2015 , 15, 4055-4061	3.5	22
460	Influence of chiral ligands on the gel formation of a Mg(II) coordination polymer. <i>CrystEngComm</i> , 2015 , 17, 8011-8014	3.3	2
459	Second harmonic generation from the 'centrosymmetric' crystals. <i>IUCrJ</i> , 2015 , 2, 317-21	4.7	33
458	Crystal Growth & Design Celebrates the International Year of Crystallography 2014. <i>Crystal Growth and Design</i> , 2015 , 15, 2-4	3.5	
457	Single crystals popping under UV light: a photosalient effect triggered by a [2+2] cycloaddition reaction. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5907-11	16.4	163
456	Metal-organic organopolymeric hybrid framework by reversible [2+2] cycloaddition reaction. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 414-9	16.4	118
455	Distortional supramolecular isomers of polyrotaxane coordination polymers: photoreactivity and sensing of nitro compounds. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5591-5	16.4	158
454	Carbon coated Li ₃ V ₂ (PO ₄) ₃ from the single-source precursor, Li ₂ (VO) ₂ (HPO ₄) ₂ (C ₂ O ₄) ₂ ·6H ₂ O as cathode and anode materials for Lithium ion batteries. <i>Electrochimica Acta</i> , 2014 , 128, 184-191	6.7	24
453	Preparation of rGO-wrapped magnetite nanocomposites and their energy storage properties. <i>RSC Advances</i> , 2014 , 4, 64142-64150	3.7	20
452	Synthesis and nonlinear optical switching of Bi ₂ S ₃ nanorods and enhancement in the NLO response of Bi ₂ S ₃ @Au nanorod-composites. <i>New Journal of Chemistry</i> , 2014 , 38, 985	3.6	41
451	Solid-state conversion of a MOF to a metal-organo polymeric framework (MOPF) via [2+2] cycloaddition reaction. <i>Chemical Communications</i> , 2014 , 50, 3665-7	5.8	40

450	Self-assembly of a 15-nickel metallamacrocyclic complex derived from the L-glutamic acid Schiff base ligand. <i>Dalton Transactions</i> , 2014 , 43, 5998-6001	4.3	17
449	Photoreactivity of polymorphs of a ladder polymer with criss-cross and parallel orientations of C=C bonds. <i>Chemical Communications</i> , 2014 , 50, 451-3	5.8	21
448	Lithium storage properties of pristine and (Mg, Cu) codoped ZnFe ₂ O ₄ nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 10744-53	9.5	78
447	Influence of inductive effects and steric encumbrance on the catecholase activities of copper(II) complexes of reduced Schiff base ligands. <i>Dalton Transactions</i> , 2014 , 43, 3545-56	4.3	47
446	Solid-state polymerization in a polyrotaxane coordination polymer via a [2+2] cycloaddition reaction. <i>Chemical Communications</i> , 2014 , 50, 6585-8	5.8	22
445	Solid-State Reactivity of Supramolecular Isomers: A Study of the s-Block Coordination Polymers. <i>Crystal Growth and Design</i> , 2014 , 14, 2605-2613	3.5	25
444	Stepwise Host-Guest [2 + 2] Photoreaction in a Hydrogen-Bonded One-Dimensional Coordination Polymer to a Two-Dimensional Layered Structure. <i>Crystal Growth and Design</i> , 2014 , 14, 3186-3190	3.5	12
443	Putting the squeeze on CH ₄ and CO ₂ through control over interpenetration in diamondoid nets. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5072-7	16.4	96
442	Titelbild: Single Crystals Popping Under UV Light: A Photosalient Effect Triggered by a [2+2] Cycloaddition Reaction (<i>Angew. Chem.</i> 23/2014). <i>Angewandte Chemie</i> , 2014 , 126, 5821-5821	3.6	1
441	Reversible single-crystal-to-single-crystal photochemical formation and thermal cleavage of a cyclobutane ring. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2143-6	16.4	80
440	Assembly of 3D coordination polymers from 2D sheets by [2+2] cycloaddition reaction. <i>Chemistry - A European Journal</i> , 2014 , 20, 1231-6	4.8	27
439	Metal-Organic Organopolymeric Hybrid Framework by Reversible [2+2] Cycloaddition Reaction. <i>Angewandte Chemie</i> , 2014 , 126, 424-429	3.6	31
438	Oxygen-initiated stereoselective thermal isomerisation of a cyclobutane derivative in the solid state. <i>Chemistry - A European Journal</i> , 2014 , 20, 15702-8	4.8	10
437	Addendum: Metal-Organic Organopolymeric Hybrid Framework by Reversible [2+2] Cycloaddition Reaction. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5232-5232	16.4	1
436	Single Crystals Popping Under UV Light: A Photosalient Effect Triggered by a [2+2] Cycloaddition Reaction. <i>Angewandte Chemie</i> , 2014 , 126, 6017-6021	3.6	47
435	Distortional Supramolecular Isomers of Polyrotaxane Coordination Polymers: Photoreactivity and Sensing of Nitro Compounds. <i>Angewandte Chemie</i> , 2014 , 126, 5697-5701	3.6	26
434	Metal-Organic Frameworks: Photoreactive Frameworks 2014 , 1-23		2
433	Reversible Single-Crystal-to-Single-Crystal Photochemical Formation and Thermal Cleavage of a Cyclobutane Ring. <i>Angewandte Chemie</i> , 2014 , 126, 2175-2178	3.6	17

432	[2 + 2] Cycloaddition reaction as a tool to monitor the formation of thermodynamically stable ladder coordination polymers. <i>CrystEngComm</i> , 2013 , 15, 9324	3.3	16
431	Thermally reversible single-crystal to single-crystal transformation of mononuclear to dinuclear Zn(II) complexes by [2+2] cycloaddition reaction. <i>Chemical Communications</i> , 2013 , 49, 9567-9	5.8	37
430	Solid-state structural transformations and photoreactivity of 1D-ladder coordination polymers of Pb(II). <i>Chemistry - A European Journal</i> , 2013 , 19, 3962-8	4.8	26
429	Silver(I) macrocycles and coordination polymers containing pyridyl carboxylate and phosphine ligands. <i>Polyhedron</i> , 2013 , 52, 1440-1448	2.7	10
428	Solvent-induced structural dynamics in noninterpenetrating porous coordination polymeric networks. <i>Inorganic Chemistry</i> , 2013 , 52, 2951-7	5.1	44
427	Solid-state reactivity and structural transformations involving coordination polymers. <i>Chemical Society Reviews</i> , 2013 , 42, 1755-75	58.5	398
426	Vesicle-mediated growth of tubular branches and centimeter-long microtubes from a single molecule. <i>Small</i> , 2013 , 9, 2611-8, 2477	11	3
425	A layered oxalato-phosphate framework as a cathode material for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5721	13	65
424	Influence of C-H... interactions on the solid-state [2+2] cycloaddition reaction of a Ag(I) coordination complex in an inorganic co-crystal. <i>Chemical Communications</i> , 2013 , 49, 6298-300	5.8	25
423	Guest-triggered supramolecular isomerism in a pillared-layer structure with unusual isomers of paddle-wheel secondary building units by reversible single-crystal-to-single-crystal transformation. <i>Chemistry - A European Journal</i> , 2013 , 19, 2695-702	4.8	74
422	Muconate bridged coordination polymers of Cu(II): Effect of auxiliary ligand on their structural architectures. <i>Inorganica Chimica Acta</i> , 2013 , 403, 97-101	2.7	14
421	Metal-Organic Frameworks for Photochemical Reactions. <i>Structure and Bonding</i> , 2013 , 105-144	0.9	11
420	Mechanochemical reactions of coordination polymers by grinding with KBr. <i>Chemical Communications</i> , 2012 , 48, 2585-7	5.8	47
419	Co-crystals of tetrakis-1,2,3,4-(4?-carboxyphenyl)cyclobutane with dipyridyl spacers: design and serendipity. <i>CrystEngComm</i> , 2012 , 14, 6190	3.3	5
418	Photoreactivity of Ag(I) Complexes and Coordination Polymers of Pyridyl Acrylic Acids. <i>Crystal Growth and Design</i> , 2012 , 12, 326-332	3.5	44
417	Synthesis and electrochemical studies of layer-structured metastable LiVOPO_4 . <i>Journal of Materials Chemistry</i> , 2012 , 22, 7206		58
416	Solid state photodimerization of trans-2-(4-pyridyl)-4-vinylbenzoic acid via salt formation and isomerisation of cyclobutane compounds in solution. <i>CrystEngComm</i> , 2012 , 14, 7438	3.3	10
415	Redox-Active Metal-Centered Oxalato Phosphate Open Framework Cathode Materials for Lithium Ion Batteries. <i>Angewandte Chemie</i> , 2012 , 124, 5968-5972	3.6	28

4 ¹⁴	Redox-active metal-centered oxalato phosphate open framework cathode materials for lithium ion batteries. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 5866-70	16.4	135
4 ¹³	Thermal cleavage of cyclobutane rings in photodimerized coordination-polymeric sheets. <i>Chemistry - A European Journal</i> , 2012 , 18, 7869-77	4.8	47
4 ¹²	An Unusual Interweaving in a 3-Fold Interpenetrated Pillared-Layer Zn(II) Coordination Polymer with a Long Spacer Ligand. <i>Crystal Growth and Design</i> , 2012 , 12, 3397-3401	3.5	35
4 ¹¹	Crystal Engineering 2011 ,		371
4 ¹⁰	Li(MnxFe1-x)PO4/C (x = 0.5, 0.75 and 1) nanoplates for lithium storage application. <i>Journal of Materials Chemistry</i> , 2011 , 21, 14925		85
4 ⁰⁹	Structural Transformations of Pb(II)-trans-1,2-bis(4?-pyridyl)ethene Coordination Polymers in Solution. <i>Crystal Growth and Design</i> , 2011 , 11, 4697-4703	3.5	45
4 ⁰⁸	Recent Developments in Crystal Engineering. <i>Crystal Growth and Design</i> , 2011 , 11, 875-886	3.5	165
4 ⁰⁷	Gold: Inorganic & Coordination Chemistry 2011 ,		1
4 ⁰⁶	Crystal engineering studies on the salts of trans-4,4?-stilbenedicarboxylic acid in the context of solid state [2 + 2] cycloaddition reaction. <i>CrystEngComm</i> , 2011 , 13, 3138-3145	3.3	23
4 ⁰⁵	One-dimensional coordination polymers: complexity and diversity in structures, properties, and applications. <i>Chemical Reviews</i> , 2011 , 111, 688-764	68.1	922
4 ⁰⁴	Synthesis, characterization and structures of copper(II) complexes containing carboxylate and sulfonate groups. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011 , 71, 557-566		13
4 ⁰³	Solid-State Structural Transformations from 2D Interdigitated Layers to 3D Interpenetrated Structures. <i>Angewandte Chemie</i> , 2011 , 123, 11141-11144	3.6	14
4 ⁰²	Solid-state structural transformations from 2D interdigitated layers to 3D interpenetrated structures. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10949-52	16.4	99
4 ⁰¹	Photoreactive gold(I) macrocycles with diphosphine and trans,trans-muconate ligands. <i>Chemical Communications</i> , 2011 , 47, 11633-5	5.8	40
4 ⁰⁰	Hollow LiVOPO4 sphere cathodes for high energy Li-ion battery application. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10042		50
399	Role of anions in the synthesis of cyclobutane derivatives via [2 + 2] cycloaddition reaction in the solid state and their isomerization in solution. <i>Journal of Organic Chemistry</i> , 2011 , 76, 7860-5	4.2	37
398	A novel heterogeneous colorimetric and spectrophotometric chemosensor for detection and adsorption of Hg ⁰ and Hg ²⁺ . <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 4914-20	1.3	3
397	Solid-State Synthesis of Coordination Polymers for [2+2] Photoreactions by Grinding. <i>Australian Journal of Chemistry</i> , 2010 , 63, 589	1.2	11

396	A new ligand for metal-organic framework and co-crystal synthesis: mechanochemical route to rctt-1,2,3,4-tetrakis-(4'-carboxyphenyl)-cyclobutane. <i>Chemical Communications</i> , 2010 , 46, 3660-2	5.8	46
395	Metal-organic frameworks containing a tetrapyridylcyclobutane ligand derived from isomerization reaction. <i>Inorganic Chemistry</i> , 2010 , 49, 6775-7	5.1	42
394	Solvent-Dependent Networking of O2S2-Macrocycle with Silver Perchlorate into One- and Two-Dimensional Coordination Polymers. <i>Crystal Growth and Design</i> , 2010 , 10, 1033-1036	3.5	46
393	Solid-state photochemical behavior of a triple-stranded ladder coordination polymer. <i>Inorganic Chemistry</i> , 2010 , 49, 10-2	5.1	66
392	Anion-controlled stereoselective synthesis of cyclobutane derivatives by solid-state [2 + 2] cycloaddition reaction of the salts of trans-3-(4-pyridyl) acrylic acid. <i>Organic Letters</i> , 2010 , 12, 128-31	6.2	72
391	Fluorescent coordination polymeric gel from tartaric acid-assisted self-assembly. <i>Langmuir</i> , 2010 , 26, 7464-8	4	25
390	Tadpole-Shaped AgInSe2 Nanocrystals from a Single Molecular Precursor and its Nonlinear Optical Properties. <i>Crystal Growth and Design</i> , 2010 , 10, 1237-1242	3.5	31
389	Surprisingly stable ammonium ion complex of a non-cyclic crown-type polyether: solid and solution studies. <i>New Journal of Chemistry</i> , 2010 , 34, 603	3.6	3
388	Alkali metal ion directed self-assembled Ni(II) molecular clusters. <i>New Journal of Chemistry</i> , 2010 , 34, 2145	3.6	11
387	Solvent-free porous framework resulted from 3D entanglement of 1D zigzag coordination polymer. <i>New Journal of Chemistry</i> , 2010 , 34, 2392	3.6	7
386	Lithium storage in a metal organic framework with diamondoid topology β case study on metal formates. <i>Journal of Materials Chemistry</i> , 2010 , 20, 8329		168
385	Morphology controlled synthesis of LiFePO4/C nanoplates for Li-ion batteries. <i>Energy and Environmental Science</i> , 2010 , 3, 457	35.4	223
384	Storage performance of LiFe1-xMnxPO4 nanoplates (x = 0, 0.5, and 1). <i>Journal of Solid State Electrochemistry</i> , 2010 , 14, 1755-1760	2.6	46
383	Cobalt(II) Coordination Polymers Containing trans-1,2-Bis(4-pyridyl)ethene and Their Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 3856-3865	2.3	19
382	Single-crystal to single-crystal photochemical structural transformations of interpenetrated 3 D coordination polymers by [2+2] cycloaddition reactions. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 390-3	16.4	218
381	Synthesis, crystal structures, DNA-binding properties, cytotoxic and antioxidation activities of several new ternary copper(II) complexes of N,N'-(p-xylylene)di-alanine acid and 1,10-phenanthroline. <i>Inorganica Chimica Acta</i> , 2010 , 363, 855-865	2.7	42
380	Shape-dependent nonlinear absorption and relaxation in CuInS2 nanocrystals. <i>Applied Physics Letters</i> , 2009 , 95, 201109	3.4	16
379	Coordination-Polymeric Nanofibers and their Field-Emission Properties. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 1356-61	4.8	24

378	Formation of bilayer structure through face-to-face π -interactions. <i>Journal of Molecular Structure</i> , 2009 , 920, 14-17	3.4	6
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6	Simple synthesis and cadmium-113 NMR spectroscopic characterization of the fully terminally substituted clusters $[(\mu\text{-EPh})_6(\text{CdX})_4]^{2-}$ (E = S or Se; X = Br or I). <i>Inorganic Chemistry</i> , 1985 , 24, 3722-3723	5.1	7
5	Syntheses and X-ray structural analyses of $[(\text{C}_6\text{H}_5)_4\text{As}][\text{Sn}(\text{EC}_6\text{H}_5)_3]$, E = S and Se. <i>Canadian Journal of Chemistry</i> , 1985 , 63, 394-400	0.9	19
4	Structure of a lead(II) salt of ethane-1,2-dithiol, a simple analog of therapeutic chelating dithiols. <i>Inorganic Chemistry</i> , 1985 , 24, 3594-3597	5.1	23
3	Discrete trigonal-pyramidal lead(II) complexes: syntheses and x-ray structure analyses of $[(\text{C}_6\text{H}_5)_4\text{As}][\text{Pb}(\text{EC}_6\text{H}_5)_3]$ (E = S, Se). <i>Inorganic Chemistry</i> , 1984 , 23, 4232-4236	5.1	36
2	Observation of two-bond cadmium-111-cadmium-113 nuclear spin-spin coupling in decakis(phenylthio)tetracadmiate(2-) ion. <i>Journal of the American Chemical Society</i> , 1984 , 106, 6436-6437	16.4	11
1	Chapter 5: Influence of Supramolecular Interactions on the Solid-state Photoreactivity of Metal Complexes. <i>Monographs in Supramolecular Chemistry</i> , 180-216	1.1	2

