

# Peter Y Zavalij

## List of Publications by Year in descending order

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374  
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17,345  
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14614

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436  
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436  
docs citations

436  
times ranked

14700  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Cucurbit[n]uril Family: Prime Components for Self-Sorting Systems. <i>Journal of the American Chemical Society</i> , 2005, 127, 15959-15967.	6.6	786
2	Hydrothermal synthesis of lithium iron phosphate cathodes. <i>Electrochemistry Communications</i> , 2001, 3, 505-508.	2.3	520
3	Acyclic cucurbit[n]uril molecular containers enhance the solubility and bioactivity of poorly soluble pharmaceuticals. <i>Nature Chemistry</i> , 2012, 4, 503-510.	6.6	372
4	Use of the CSD Program Package for Structure Determination from Powder Data. <i>Materials Science Forum</i> , 1993, 133-136, 335-342.	0.3	362
5	Cucurbit[7]uril...Guest Pair with an Attomolar Dissociation Constant. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 988-993.	7.2	356
6	Hydrothermal Synthesis of Vanadium Oxides. <i>Chemistry of Materials</i> , 1998, 10, 2629-2640.	3.2	352
7	Reactivity, stability and electrochemical behavior of lithium iron phosphates. <i>Electrochemistry Communications</i> , 2002, 4, 239-244.	2.3	339
8	Identifying the components of the solid-electrolyte interphase in Li-ion batteries. <i>Nature Chemistry</i> , 2019, 11, 789-796.	6.6	331
9	Structural chemistry of vanadium oxides with open frameworks. <i>Acta Crystallographica Section B: Structural Science</i> , 1999, 55, 627-663.	1.8	301
10	Cucurbit[10]uril. <i>Journal of the American Chemical Society</i> , 2005, 127, 16798-16799.	6.6	298
11	Some transition metal (oxy)phosphates and vanadium oxides for lithium batteries. <i>Journal of Materials Chemistry</i> , 2005, 15, 3362.	6.7	278
12	The hydrothermal synthesis and characterization of olivines and related compounds for electrochemical applications. <i>Solid State Ionics</i> , 2008, 178, 1676-1693.	1.3	274
13	The synthesis, characterization and electrochemical behavior of the layered LiNi <sub>0.4</sub> Mn <sub>0.4</sub> Co <sub>0.2</sub> O <sub>2</sub> compound. <i>Journal of Materials Chemistry</i> , 2004, 14, 214.	6.7	234
14	Structural and Architectural Evaluation of Bimetallic Nanoparticles: A Case Study of Pt~Ru Core~Shell and Alloy Nanoparticles. <i>ACS Nano</i> , 2009, 3, 3127-3137.	7.3	222
15	Synthesis and Self-Assembly Processes of Monofunctionalized Cucurbit[7]uril. <i>Journal of the American Chemical Society</i> , 2012, 134, 13133-13140.	6.6	212
16	High Fidelity Kinetic Self-Sorting in Multi-Component Systems Based on Guests with Multiple Binding Epitopes. <i>Journal of the American Chemical Society</i> , 2006, 128, 14093-14102.	6.6	190
17	Manganese Vanadium Oxide Nanotubes: Synthesis, Characterization, and Electrochemistry. <i>Chemistry of Materials</i> , 2001, 13, 4382-4386.	3.2	174
18	Hydrothermal Synthesis and Characterization of K <sub>x</sub> MnO <sub>2</sub> ·yH <sub>2</sub> O. <i>Chemistry of Materials</i> , 1996, 8, 1275-1280.	3.2	172

#	ARTICLE	IF	CITATIONS
19	New Iron(III) Phosphate Phases: Crystal Structure and Electrochemical and Magnetic Properties. <i>Inorganic Chemistry</i> , 2002, 41, 5778-5786.	1.9	172
20	Nor-Seco-Cucurbit[10]uril Exhibits Homotropic Allostereism. <i>Journal of the American Chemical Society</i> , 2006, 128, 14744-14745.	6.6	167
21	Asymmetric Formal [3 + 3]-Cycloaddition Reactions of Nitrones with Electrophilic Vinylcarbene Intermediates. <i>Journal of the American Chemical Society</i> , 2011, 133, 16402-16405.	6.6	165
22	The Inverted Cucurbit[n]uril Family. <i>Journal of the American Chemical Society</i> , 2005, 127, 18000-18001.	6.6	162
23	Structural collapse and superconductivity in rare-earth-doped CaFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , 2012, 85, .	1.1	145
24	Novel Tungsten, Molybdenum, and Vanadium Oxides Containing Surfactant Ions. <i>Chemistry of Materials</i> , 1996, 8, 2096-2101.	3.2	134
25	Chiral Recognition inside a Chiral Cucurbituril. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7425-7427.	7.2	131
26	Highly Sensitive Luminescent Metal-Complex Receptors for Anions through Charge-Assisted Amide Hydrogen Bonding. <i>Inorganic Chemistry</i> , 2003, 42, 3445-3453.	1.9	130
27	Structure beyond Bragg: Study of V <sub>2</sub> O <sub>5</sub> nanotubes. <i>Physical Review B</i> , 2004, 69, .	1.1	127
28	Structure of vacancy-ordered single-crystalline superconducting potassium iron selenide. <i>Physical Review B</i> , 2011, 83, .	1.1	127
29	Catalytic Asymmetric Syntheses of Quinolizidines by Dirhodium-Catalyzed Dearomatization of Isoquinolinium/Pyridinium Methylides: The Role of Catalyst and Carbene Source. <i>Journal of the American Chemical Society</i> , 2013, 135, 12439-12447.	6.6	127
30	The hydrothermal synthesis of new oxide materials. <i>Solid State Ionics</i> , 1995, 75, 257-268.	1.3	126
31	Catalytic aerobic oxidation of substituted 8-methylquinolines in PdII-2,6-pyridinedicarboxylic acid systems. <i>Chemical Communications</i> , 2008, , 3625.	2.2	126
32	Temperature-dependent properties of FePO <sub>4</sub> cathode materials. <i>Materials Research Bulletin</i> , 2002, 37, 1249-1257.	2.7	121
33	New Iron(III) Phosphate Phases: Crystal Structure and Electrochemical and Magnetic Properties.. <i>ChemInform</i> , 2003, 34, no.	0.1	120
34	Acyclic Cucurbit[n]uril Congeners Are High Affinity Hosts. <i>Journal of Organic Chemistry</i> , 2010, 75, 4786-4795.	1.7	119
35	Structural and electrochemical behavior of LiMn <sub>0.4</sub> Ni <sub>0.4</sub> Co <sub>0.2</sub> O <sub>2</sub> . <i>Journal of Power Sources</i> , 2007, 165, 517-534.	4.0	116
36	Dinitrogen Activation at Ambient Temperatures: New Modes of H <sub>2</sub> and PhSiH <sub>3</sub> Additions for an End-On-Bridged [Ta(IV)] <sub>2</sub> ( $\mu_4$ -I <sup>-1</sup> ) <sup>1+</sup> -N <sub>2</sub> Complex and for the Bis( $\mu_4$ -nitrido) [Ta(V)( $\mu_4$ -N)] <sub>2</sub> Product Derived from Facile N≡N Bond Cleavage. <i>Journal of the American Chemical Society</i> , 2007, 129, 9284-9285.	6.6	113

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37	Magnetic-crystallographic phase diagram of the superconducting parent compound $\text{FeTe}$ . Physical Review B, 2011, 84, .	11.1	111
38	Stoichiometric Aerobic PtII~Me Bond Cleavage in Aqueous Solutions to Produce Methanol and a PtII(OH) Complex. Journal of the American Chemical Society, 2006, 128, 82-83.	6.6	110
39	Can Vanadium Be Substituted into $\text{LiFePO}_4$ ?. Chemistry of Materials, 2011, 23, 4733-4740.	3.2	110
40	Metal-Mediated Production of Isocyanates, $\text{R}_3\text{C-Ni-CO}$ from Dinitrogen, Carbon Dioxide, and $\text{R}_3\text{C-Cl}$ . Angewandte Chemie - International Edition, 2015, 54, 10220-10224.	7.2	109
41	Extreme N~N Bond Elongation and Facile N-Atom Functionalization Reactions within Two Structurally Versatile New Families of Group 4 Bimetallic ~Side-on-Bridged~Dinitrogen Complexes for Zirconium and Hafnium. Journal of the American Chemical Society, 2007, 129, 12690-12692.	6.6	107
42	Cluster Growth and Fragmentation in the Highly Fluxional Platinum Derivatives of $\text{Sn}^{94}$ :~Synthesis, Characterization, and Solution Dynamics of $\text{Pt}_2\text{@Sn}_{174}$ - and $\text{Pt@Sn}_{9H3}$ -. Journal of the American Chemical Society, 2007, 129, 4567-4574.	6.6	104
43	Synthesis of Tetrahydropyridazines by a Metal~Carbene~Directed Enantioselective Vinylogous Ni~H Insertion/Lewis Acid~Catalyzed Diastereoselective Mannich Addition. Angewandte Chemie - International Edition, 2012, 51, 9829-9833.	7.2	103
44	Performance of $\text{LiFePO}_4$ as lithium battery cathode and comparison with manganese and vanadium oxides. Journal of Power Sources, 2003, 119-121, 239-246.	4.0	100
45	Cucurbit[~n~]uril Formation Proceeds by Step-Growth Cyclo-oligomerization. Journal of the American Chemical Society, 2008, 130, 8446-8454.	6.6	98
46	Superconducting and Ferromagnetic Phases Induced by Lattice Distortions in Stoichiometric $\text{SrFe}_2\text{As}_2$ Crystals. Physical Review Letters, 2009, 103, 037005.	2.9	94
47	Bicyclic Pyrazolidinone Derivatives from Diastereoselective Catalytic [3 + 3]-Cycloaddition Reactions of Enoldiazoacetates with Azomethine Imines. Organic Letters, 2013, 15, 1564-1567.	2.4	88
48	$\mu$ -VOPO[ <sub>4</sub> ]: Electrochemical Synthesis and Enhanced Cathode Behavior. Journal of the Electrochemical Society, 2005, 152, A721.	1.3	86
49	Metastable Hexagonal Molybdates: Hydrothermal Preparation, Structure, and Reactivity. Journal of Solid State Chemistry, 1995, 117, 323-332.	1.4	85
50	Synthesis and Electrochemical, Photophysical, and Anion Binding Properties of Self-Assembly Heterometallic Cyclophanes. Organometallics, 2002, 21, 685-693.	1.1	85
51	Dinitrogen Complexation and Extent of N~N Activation within the Group 6 ~End-On-Bridged~Dinuclear Complexes, $\{\text{N}^5\text{-C}_5\text{Me}_5\text{M}[\text{N}(\text{i-Pr})\text{C}(\text{Me})\text{N}(\text{i-Pr})]_2\}$ ( $\text{N}^5$ : $\text{N}^5$ -N <sub>sub</sub> (M = Mo and W), Journal of the American Chemical Society, 2010, 132, 12273-12285.	6.6	83
52	Highly Enantioselective Dearomatizing Formal [3+3]~Cycloaddition Reactions of ~N~Acyliminopyridinium Ylides with Electrophilic Enol Carbene Intermediates. Angewandte Chemie - International Edition, 2013, 52, 12664-12668.	7.2	83
53	Ligand Influences on Copper Molybdate Networks:~% The Structures and Magnetism of $[\text{Cu}(3,4\text{-bpy})\text{MoO}_4]$ , $[\text{Cu}(3,3\text{-bpy})0.5\text{MoO}_4]$ , and $[\text{Cu}(4,4\text{-bpy})0.5\text{MoO}_4] \cdot 1.5\text{H}_2\text{O}$ . Inorganic Chemistry, 2002, 41, 2124-2133.	2.0	82
54	Anodes for lithium batteries: tin revisited. Electrochemistry Communications, 2003, 5, 587-590.	2.3	81

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55	Solution Dynamics and Gas-Phase Chemistry of Pd <sub>2</sub> @Sn <sub>18</sub> <sup>4+</sup> . Inorganic Chemistry, 2008, 47, 3515-3520.	1.9	81
56	Direct C(sp <sup>3</sup> ) <sup>+</sup> O Reductive Elimination of Olefin Oxides from Pt <sup>IV</sup> -Oxetanes Prepared by Aerobic Oxidation of Pt <sup>II</sup> Olefin Derivatives (Olefin = <i>cis</i> -Cyclooctene.) <i>J. Org. Chem.</i> 2010, 75, 1000-1004.	6.6	70
57	Preparation and C <sup>X</sup> Reductive Elimination Reactivity of Monoaryl Pd <sup>IV</sup> -X Complexes in Water (X = OH, OH <sub>2</sub> , Cl, Br). <i>Journal of the American Chemical Society</i> , 2010, 132, 14400-14402.	6.6	79
58	Blue Phosphorescence from Mixed Cyano <sup>+</sup> Isocyanide Cyclometalated Iridium(III) Complexes. <i>Inorganic Chemistry</i> , 2007, 46, 1603-1611.	1.9	78
59	Regulating Supramolecular Function in Membranes: Calixarenes that Enable or Inhibit Transmembrane Cl <sup>-</sup> Transport. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3334-3338.	7.2	77
60	Enantioselective <i>cis</i> - $\beta$ -lactam synthesis by intramolecular C <sup>H</sup> functionalization from enoldiazoacetamides and derivative donor <sup>-</sup> acceptor cyclopropenes. <i>Chemical Science</i> , 2015, 6, 2196-2201.	3.7	77
61	A donor <sup>-</sup> acceptor cyclopropene as a dipole source for a silver(I) catalyzed asymmetric catalytic [3+3]-cycloaddition with nitrones. <i>Chemical Communications</i> , 2013, 49, 10287.	2.2	76
62	Supramolecular Sensors for Opiates and Their Metabolites. <i>Journal of the American Chemical Society</i> , 2017, 139, 14954-14960.	6.6	76
63	Elucidation of the Fe(III) Gallate Structure in Historical Iron Gall Ink. <i>Analytical Chemistry</i> , 2016, 88, 5152-5158.	3.2	70
64	Rhodium(II) <sup>-</sup> and Copper(II) <sup>-</sup> Catalyzed Reactions of Enol Diazoacetates with Nitrones: Metal Carbene versus Lewis Acid Directed Pathways. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5900-5903.	7.2	69
65	C <sup>O</sup> Coupling of LPtIVMe(OH)X Complexes in Water (X = 18OH, OH, OMe; L = di(2-pyridyl)methane) <i>J. Org. Chem.</i> 2011, 76, 1143-1148.	1.1	68
66	Cationic Chiral Dirhodium Carboxamidates Are Activated for Lewis Acid Catalysis. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1439-1442.	7.2	68
67	Highly Regio <sup>-</sup> and Stereoselective Dirhodium Vinylcarbene Induced Nitrone Cycloaddition with Subsequent Cascade Carbenoid Aromatic Cycloaddition/Ni <sup>2+</sup> O Cleavage and Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5907-5910.	7.2	68
68	Self-Sorting Molecular Clips. <i>Journal of Organic Chemistry</i> , 2008, 73, 5915-5925.	1.7	67
69	Pb <sub>3</sub> F <sub>5</sub> NO <sub>3</sub> , a Cationic Layered Material for Anion-Exchange. <i>Journal of the American Chemical Society</i> , 2002, 124, 3966-3969.	6.6	66
70	Highly Selective Catalyst-Dependent Competitive 1,2-C <sup>+</sup> , -O <sup>+</sup> , and -N <sup>+</sup> Migrations from $\beta$ -Methylene- $\beta$ -silyloxy- $\beta$ -amido- $\beta$ -diazoacetates. <i>Journal of the American Chemical Society</i> , 2013, 135, 1244-1247.	6.6	66
71	Unraveling the Structure <sup>-</sup> Affinity Relationship between Cucurbit[ <i>n</i> ]urils ( <i>n</i> = 7, 8) and Cationic Diamondoids. <i>Journal of the American Chemical Society</i> , 2017, 139, 3249-3258.	6.6	66
72	Catalytic Asymmetric [3+1] <sup>-</sup> Cycloaddition Reaction of Ylides with Electrophilic Metallo <sup>-</sup> enolcarbene Intermediates. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7479-7483.	7.2	66

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73	Lewis Acid/Rhodium-Catalyzed Formal [3 + 3]-Cycloaddition of Enoldiazoacetates with Donor-“Acceptor Cyclopropanes. <i>Organic Letters</i> , 2015, 17, 3568-3571.	2.4	64
74	Folding of Long-Chain Alkanediammonium Ions Promoted by a Cucurbituril Derivative. <i>Organic Letters</i> , 2008, 10, 2577-2580.	2.4	63
75	Phase Separation and Suppression of the Structural and Magnetic Transitions in Superconducting Doped Iron Tellurides, $\text{Fe}_{1+x}\text{Te}_{1-y}\text{S}_y$ . <i>Journal of the American Chemical Society</i> , 2010, 132, 13000-13007.	6.6	62
76	Fine-Tuning the Energy Barrier for Metal-Mediated Dinitrogen $\text{N}_2$ Bond Cleavage. <i>Journal of the American Chemical Society</i> , 2014, 136, 9906-9909.	6.6	62
77	Divergent Outcomes of Carbene Transfer Reactions from Dirhodium- and Copper-Based Catalysts Separately or in Combination. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11152-11155.	7.2	61
78	Evidence for Decavanadate Clusters in the Lamellar Surfactant Ion Phase. <i>Chemistry of Materials</i> , 1997, 9, 647-649.	3.2	60
79	The one dimensional chain structures of vanadyl glycolate and vanadyl acetate Electronic supplementary information (ESI) available: difference plots and reflections lists for $\text{VO}(\text{CH}_3\text{COO})_2$ and $\text{VO}(\text{OCH}_2\text{CH}_2\text{O})$ . See <a href="http://www.rsc.org/suppdata/jm/b2/b208100h/">http://www.rsc.org/suppdata/jm/b2/b208100h/</a> . <i>Journal of Materials Chemistry</i> , 2003, 13, 1420.	6.7	60
80	Multifunctionalized 3-Hydroxypyrrroles in a Three-Step, One-Pot Cascade Process from Methyl 3-TBSO-2-diazo-3-butenate and Nitrones. <i>Organic Letters</i> , 2011, 13, 6122-6125.	2.4	60
81	Refolding Foldamers: Triazene-Arylene Oligomers That Change Shape with Chemical Stimuli. <i>Journal of the American Chemical Society</i> , 2007, 129, 11232-11241.	6.6	58
82	Supramolecular Ladders from Dimeric Cucurbit[6]uril. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3690-3694.	7.2	58
83	Membrane-active calixarenes: toward “gating” transmembrane anion transport. <i>Tetrahedron</i> , 2007, 63, 10743-10750.	1.0	57
84	Interstitial iron tuning of the spin fluctuations in the nonsuperconducting parent phase $\text{Fe}_x\text{Te}_{1-x}$ . <i>Physical Review B</i> , 2011, 84, .	1.1	57
85	Hydrothermal synthesis and characterization of $\text{Li}_x\text{V}_2\text{O}_4 \cdot n\text{H}_2\text{O}$ . <i>Solid State Ionics</i> , 1996, 84, 163-168.	1.3	55
86	Structure of Hydrated Tungsten Peroxides $[\text{WO}_2(\text{O}_2)\text{H}_2\text{O}]_n \cdot n\text{H}_2\text{O}$ . <i>Chemistry of Materials</i> , 1998, 10, 1882-1888.	3.2	55
87	Highly Enantioselective Carbonyl-“Ene Reactions of 2,3-Diketoesters: Efficient and Atom-Economical Process to Functionalized Chiral $\beta$ -Hydroxy- $\beta$ -Ketoesters. <i>Angewandte Chemie - International Edition</i> , 2014, 7.2 53, 6468-6472.	7.2	55
88	Pillar[5]MaxQ: A New High Affinity Host Family for Sequestration in Water. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13313-13319.	7.2	55
89	A New Vanadium Dioxide Cathode. <i>Journal of the Electrochemical Society</i> , 1996, 143, L193-L195.	1.3	54
90	Molecular Containers Bind Drugs of Abuse in Vitro and Reverse the Hyperlocomotive Effect of Methamphetamine in Rats. <i>ChemBioChem</i> , 2017, 18, 1583-1588.	1.3	54

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91	Manganese dioxides as cathodes for lithium rechargeable cells: the stability challenge. <i>Solid State Ionics</i> , 2000, 131, 109-115.	1.3	53
92	Synthesis, Crystal Structure, and Electrochemical and Magnetic Study of New Iron (III) Hydroxyl-Phosphates, Isostructural with Lipscombite. <i>Chemistry of Materials</i> , 2005, 17, 1139-1147.	3.2	53
93	Catalytic Degenerate and Nondegenerate Oxygen Atom Transfers Employing $N_2O$ and $CO_2$ and a $M^{II}/M^{IV}$ Cycle Mediated by Group 6 $M^{IV}$ Terminal Oxo Complexes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12342-12346.	7.2	53
94	Morphotropic Phase Boundaries in Ferromagnets: $Tb_{1-x}M_x$ Physical Review Letters, 2013, 111, 017203.	2.9	53
95	Simple Approach for Selective Crystal Growth of Intermetallic Clathrates. <i>Chemistry of Materials</i> , 2011, 23, 1491-1495.	3.2	52
96	Acyclic cucurbit[n]uril-type molecular containers: influence of glycoluril oligomer length on their function as solubilizing agents. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4041-4050.	1.5	52
97	Structures of potassium, sodium and lithium bis(oxalato)borate salts from powder diffraction data. <i>Acta Crystallographica Section B: Structural Science</i> , 2003, 59, 753-759.	1.8	51
98	Single-crystal investigation of the proposed type-II Weyl semimetal CeAlGe. <i>Physical Review B</i> , 2018, 98, .	1.1	51
99	Facile Arene C-H Bond Activation and Alkane Dehydrogenation with Anionic LPt(II)Me <sub>2</sub> -in Hydrocarbon/Water Systems (L = Dimethyldi(2-pyridyl)borate). <i>Journal of the American Chemical Society</i> , 2006, 128, 13054-13055.	6.6	50
100	Steric Switching from Photochemical to Thermal Reaction Pathways for Enhanced Efficiency in Metal-Mediated Nitrogen Fixation. <i>Journal of the American Chemical Society</i> , 2016, 138, 14856-14859.	6.6	50
101	From Packed $\alpha$ -Sandwich to $\beta$ -Russian Doll Assembly by Charge Transfer Interactions in Cucurbit[10]uril. <i>Chemistry - A European Journal</i> , 2016, 22, 17612-17618.	1.7	50
102	A New Zinc Pyrovanadate, Zn <sub>3</sub> (OH) <sub>2</sub> V <sub>2</sub> O <sub>7</sub> ·2H <sub>2</sub> O, from X-ray Powder Data. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1997, 53, 1738-1739.	0.4	49
103	Oxidatively Induced Methyl Transfer from Boron to Platinum in Dimethyldi(2-pyridyl)boratoplatinum Complexes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6309-6312.	7.2	49
104	The closo- $[Sn_9Ir(cod)]^{3-}$ and $[Pb_9Ir(cod)]^{3-}$ and $[Pb_9Ir(cod)]^{4-}$ Zintl Ions: Isostructural $[Ir(cod)]^{3-}$ Derivatives of the $[E_9]^{3-}$ Anions (E = Sn, Pb). <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 890-894.	1.0	49
105	Superconductivity at 23 K in Pt doped BaFe <sub>2</sub> As <sub>2</sub> single crystals. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 072204.	0.7	49
106	Surprising Acid/Base and Ion-Sequestration Chemistry of $Sn_9^{4-}$ : $HSn_9^{3-}$ , $Ni@HSn_9^{3-}$ , and the $Sn_9^{3-}$ Ion Revisited. <i>Journal of the American Chemical Society</i> , 2012, 134, 9733-9740.	6.6	49
107	NMe <sub>4</sub> VO <sub>7</sub> : critical role of pH in hydrothermal synthesis of vanadium oxides. <i>Chemical Communications</i> , 1997, , 33-34.	2.2	48
108	Iodine as an Oxidant in the Topotactic Deintercalation of Interstitial Iron in Fe <sub>1+x</sub> Te. <i>Journal of the American Chemical Society</i> , 2010, 132, 10006-10008.	6.6	48

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109	Catalytic Conversion of Diazocarbonyl Compounds to Imines: Applications to the Synthesis of Tetrahydropyrimidines and $\beta$ -Lactams. <i>Organic Letters</i> , 2014, 16, 740-743.	2.4	48
110	$Sb@Ni_{12}@Sb_{20}^{+}$ and $Sb@Pd_{12}@Sb_{20}^{+}$ Cluster Anions, Where $n = +1, \hat{1}, \hat{3}, \hat{4}$ : Multi-Oxidation-State Clusters of Interpenetrating Platonic Solids. <i>Journal of the American Chemical Society</i> , 2017, 139, 619-622.	6.6	48
111	Keggin Cluster Formation by Hydrothermal Reaction of Tungsten Trioxide with Methyl Substituted Ammonium: The Crystal Structure of Two Novel Compounds, $[NH_2(CH_3)_2]_6H_2W_{12}O_{40} \cdot \frac{1}{4}H_2O$ and $[N(CH_3)_4]_6H_2W_{12}O_{40} \cdot 2H_2O$ . <i>Journal of Solid State Chemistry</i> , 1996, 123, 83-92.	1.4	47
112	Electrical Properties of the Layered Manganese Dioxides $M_{x}Mn_{1-y}Co_yO_2$ , $M = Na, K$ . <i>Electrochemical and Solid-State Letters</i> , 1999, 2, 494.	2.2	47
113	Acyclic CB[n]-type molecular containers: effect of solubilizing group on their function as solubilizing excipients. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2413-2422.	1.5	47
114	The hydrothermal synthesis of sodium manganese oxide and a lithium vanadium oxide. <i>Solid State Ionics</i> , 1996, 86-88, 1-7.	1.3	46
115	Co-polymers of aniline and nitroanilines. Part I. Mechanism of aniline oxidation polycondensation. <i>Materials Chemistry and Physics</i> , 2001, 69, 154-162.	2.0	46
116	Vinylogous Reactivity of Enol Diazoacetates with Donor-Acceptor Substituted Hydrazones. Synthesis of Substituted Pyrazole Derivatives. <i>Journal of Organic Chemistry</i> , 2013, 78, 1583-1588.	1.7	46
117	Sixfold enhancement of superconductivity in a tunable electronic nematic system. <i>Nature Physics</i> , 2020, 16, 346-350.	6.5	45
118	Bidirectional Transfer of Phenyl and Methyl Groups between PtIV and Boron in Platinum Dipyridylborato Complexes. <i>Journal of the American Chemical Society</i> , 2008, 130, 10088-10089.	6.6	43
119	Influence of processing and microstructure on the local and bulk thermal conductivity of selective laser melted 316L stainless steel. <i>Additive Manufacturing</i> , 2020, 32, 100996.	1.7	43
120	Synthesis of vanadium oxide nanofibers and tubes using polylactide fibers as template. <i>Materials Research Bulletin</i> , 2005, 40, 383-393.	2.7	42
121	A clipped [3]rotaxane derived from bis-nor-seco-cucurbit[10]uril. <i>Chemical Communications</i> , 2011, 47, 9420.	2.2	42
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241	Diphenylglycoluril as a novel ligand architecture for dirhodium(II) carboxamidates. <i>Inorganica Chimica Acta</i> , 2008, 361, 3309-3314.	1.2	11
242	Allylic C-H Deprotonation of Olefins with Pt <sup>II</sup> (OH) to Form $\eta^3$ -Allyl Pt <sup>II</sup> Complexes in Water and Aprotic Organic Solvents. <i>Organometallics</i> , 2011, 30, 3392-3399.	1.1	11
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254	Tetrakis(tetramethylammonium) Dihydrogendecavanadate Acetic Acid 2.8-Hydrate, [N(CH <sub>3</sub> ) <sub>4</sub> ] <sub>4</sub> [H <sub>2</sub> V <sub>10</sub> O <sub>28</sub> ].CH <sub>3</sub> COOH.2.8H <sub>2</sub> O. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1998, 54, 1833-1835.	0.4	9
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