

# Subramaniam Kuppuswamy

## List of Publications by Year in descending order

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30  
papers

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279798

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#	ARTICLE	IF	CITATIONS
1	Fe <sub>5</sub> Mo Cluster with Iron-Carbide and Molybdenum-Carbide Bonding Motifs: Structure and Selective Alkyne Reductions. <i>Inorganic Chemistry</i> , 2018, 57, 20-23.	4.0	17
2	Structures, Interconversions, and Spectroscopy of Iron Carbonyl Clusters with an Interstitial Carbide: Localized Metal Center Reduction by Overall Cluster Oxidation. <i>Inorganic Chemistry</i> , 2017, 56, 5998-6012.	4.0	26
3	Exploring Trends in Metal-Metal Bonding, Spectroscopic Properties, and Conformational Flexibility in a Series of Heterobimetallic Ti/M and V/M Complexes (M = Fe, Co, Ni, and Cu). <i>Inorganic Chemistry</i> , 2016, 55, 12137-12148.	4.0	43
4	Discrete {Gd <sup>III</sup> }_4M (M = Gd <sup>III</sup> or Co <sup>II</sup> ) pentanuclear complexes: a new class of metal-organophosphate molecular coolers. <i>Dalton Transactions</i> , 2015, 44, 5961-5965.	3.3	49
5	Discrete and polymeric cobalt organophosphates: isolation of a 3-D cobalt phosphate framework exhibiting selective CO <sub>2</sub> capture. <i>Dalton Transactions</i> , 2015, 44, 5587-5601.	3.3	32
6	Synthesis and investigation of the metal-metal interactions in heterobimetallic Cr/Rh and Cr/Ir complexes. <i>Inorganica Chimica Acta</i> , 2015, 424, 167-172.	2.4	7
7	A series of C <sub>3</sub> -symmetric heterobimetallic Cr-M (M = Fe, Co and Cu) complexes. <i>Chemical Science</i> , 2014, 5, 1617.	7.4	26
8	Ab Initio Chemical Synthesis of Designer Metal Phosphate Frameworks at Ambient Conditions. <i>Inorganic Chemistry</i> , 2014, 53, 8959-8969.	4.0	32
9	One-Electron Oxidation Chemistry and Subsequent Reactivity of Diiron Imido Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 5429-5437.	4.0	13
10	Vanadium-iron complexes featuring metal-metal multiple bonds. <i>Chemical Science</i> , 2013, 4, 3557.	7.4	41
11	Activation of E-H and E-E (E = S, O) Bonds by Heterobimetallic Zr/Co Complexes: Evidence for Both One- and Two-Electron Processes. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3874-3882.	2.0	36
12	Metal-Metal Interactions in C <sub>3</sub> -Symmetric Diiron Imido Complexes Linked by Phosphinoamide Ligands. <i>Inorganic Chemistry</i> , 2013, 52, 4802-4811.	4.0	56
13	Metal-Metal Bonding in Low-Coordinate Dicobalt Complexes Supported by Phosphinoamide Ligands. <i>Inorganic Chemistry</i> , 2013, 52, 701-706.	4.0	19
14	Utilization of Phosphinoamide Ligands in Homobimetallic Fe and Mn Complexes: The Effect of Disparate Coordination Environments on Metal-Metal Interactions and Magnetic and Redox Properties. <i>Inorganic Chemistry</i> , 2012, 51, 8225-8240.	4.0	30
15	Synthesis and Structural Characterization of High Spin M/Cu (M = Mn, Fe) Heterobimetallic and Fe/Cu <sub>2</sub> Trimetallic Phosphinoamides. <i>Inorganic Chemistry</i> , 2012, 51, 1866-1873.	4.0	13
16	An OCO <sup>3-</sup> Trianionic Pincer Tungsten(VI) Alkylidyne: Rational Design of a Highly Active Alkyne Polymerization Catalyst. <i>Journal of the American Chemical Society</i> , 2012, 134, 4509-4512.	13.7	73
17	Synthesis and characterization of a trianionic pincer supported Mo-alkylidene anion and alkyne insertion into a Mo(IV)-C bond to form metallocyclopropene( <i>i</i> -2-vinyl) complexes. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 4079-4089.	1.8	16
18	Noncovalent Synthesis of Hierarchical Zinc Phosphates from a Single Zn <sub>4</sub> O <sub>12</sub> P <sub>4</sub> Double-Four-Ring Building Block: Dimensionality Control through the Choice of Auxiliary Ligands. <i>Chemistry - A European Journal</i> , 2010, 16, 994-1009.	3.3	44

#	ARTICLE	IF	CITATIONS
19	Synthesis and Characterization of Tungsten(VI) Alkylidene Complexes Supported by an [OC(O)C(CH <sub>3</sub> ) <sub>3</sub> ]Trianionic Pincer Ligand: Progress towards the [OC(O)C(CH <sub>3</sub> ) <sub>3</sub> ]BuOC(O)W(CH <sub>3</sub> ) <sub>3</sub> Fragment. <i>Organometallics</i> , 2010, 29, 4227-4233.	2.3	31
20	Assembling Discrete D4R Zeolite SBUs through Noncovalent Interactions. 3. Mediation by Butanols and 1,2-Bis(dimethylamino)ethane. <i>Inorganic Chemistry</i> , 2010, 49, 2153-2162.	4.0	28
21	Activation of an Aryl C-H Bond Converts Chelating Diphenolate Ligands Bound to Zirconium into Trianionic Pincer Ligands: $\sigma$ -Donor Ligand Effects versus Thermolysis. <i>Organometallics</i> , 2010, 29, 6711-6722.	2.3	31
22	Controlling the Structure of Manganese(II) Phosphates by the Choice and Ratio of Organophosphate and Auxiliary Ligands. <i>Chemistry - an Asian Journal</i> , 2009, 4, 143-153.	3.3	25
23	Di-, Tri-, Tetra-, and Hexanuclear Copper(II) Mono-organophosphates: Structure and Nuclearity Dependence on the Choice of Phosphorus Substituents and Auxiliary N-Donor Ligands. <i>Inorganic Chemistry</i> , 2009, 48, 183-192.	4.0	42
24	Facile one-pot synthesis of functionalized organophosphonate esters via ketone insertion into bulky arylphosphites. <i>Journal of Chemical Sciences</i> , 2008, 120, 131-136.	1.5	6
25	Water in Organoaluminum Chemistry! Three $\mu_3$ Aluminophosphate Clusters That Incorporate Boehmite Repeating Units. <i>Chemistry - A European Journal</i> , 2008, 14, 3869-3873.	3.3	37
26	Structural Diversity in Organotin Compounds Derived from Bulky Monoaryl Phosphates: Dimeric, Tetrameric, and Polymeric Tin Phosphate Complexes. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1508-1517.	2.0	28
27	Organic-Soluble Tri-, Tetra-, and Pentanuclear Titanium(IV) Phosphates. <i>Inorganic Chemistry</i> , 2008, 47, 7686-7694.	4.0	29
28	Cooperative Binding of Phosphate Anion and a Neutral Nitrogen Donor to Alkaline-Earth Metal Ions. Investigation of Group 2 Metal-Organophosphate Interaction in the Absence and Presence of 1,10-Phenanthroline. <i>Inorganic Chemistry</i> , 2008, 47, 6028-6039.	4.0	29
29	Hierarchical Structures Built from a Molecular Zinc Phosphate Core. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5536-5540.	13.8	83
30	Octameric and Decameric Aluminophosphates. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7022-7026.	13.8	61