

# Prasad P Kulkarni

## List of Publications by Year in descending order

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35  
papers

882  
citations

430874

18  
h-index

477307

29  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly emissive organic solids with remarkably broad color tunability based on N,C-chelate, four-coordinate organoborons. <i>Chemical Communications</i> , 2015, 51, 16115-16118.	4.1	90
2	X-ray Structure of Physiological Copper(II)-Bis(L-histidinato) Complex. <i>Inorganic Chemistry</i> , 2004, 43, 3338-3340.	4.0	88
3	Characterization and Copper Binding Properties of Human COMMD1 (MURR1). <i>Biochemistry</i> , 2007, 46, 3116-3128.	2.5	57
4	Oxidative Intramolecular 1,2-Amino-Oxygenation of Alkynes under Au <sup>I</sup> /Au <sup>III</sup> Catalysis: Discovery of a Pyridinium-Oxazole Dyad as an Ionic Fluorophore. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 757-761.	13.8	54
5	The Crystal Structure of a Novel Copper(II) Complex with Asymmetric Ligand Derived from L-Histidine. <i>Inorganic Chemistry</i> , 2003, 42, 7366-7368.	4.0	48
6	Ruthenium(II) polypyridyl complex as inhibitor of acetylcholinesterase and A $\beta$ aggregation. <i>European Journal of Medicinal Chemistry</i> , 2014, 75, 375-381.	5.5	47
7	Proteomics of Metal Transport and Metal-Associated Diseases. <i>Chemistry - A European Journal</i> , 2006, 12, 2410-2422.	3.3	46
8	Thiosemicarbazone modification of 3-acetyl coumarin inhibits A $\beta$ peptide aggregation and protect against A $\beta$ -induced cytotoxicity. <i>European Journal of Medicinal Chemistry</i> , 2016, 121, 803-809.	5.5	35
9	Synthesis and characterization of copper(II) complexes of 4-alkyl/aryl-1,2-naphthoquinones thiosemicarbazones derivatives as potent DNA cleaving agents. <i>Inorganica Chimica Acta</i> , 2005, 358, 2023-2030.	2.4	32
10	Neutral metal complex in an ionic pocket: synthesis, physicochemical properties and X-ray structure of a copper(II) complex containing neutral as well as cationic dafone ligands and dafonium perchlorate. <i>Inorganica Chimica Acta</i> , 2001, 321, 193-199.	2.4	30
11	Acetylcholinesterase and A $\beta$ Aggregation Inhibition by Heterometallic Ruthenium(II)-Platinum(II) Polypyridyl Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 7524-7535.	4.0	30
12	<i>Tinospora cordifolia</i> protects against inflammation associated anemia by modulating inflammatory cytokines and hepcidin expression in male Wistar rats. <i>Scientific Reports</i> , 2019, 9, 10969.	3.3	29
13	Comparative studies on copper(I) complexes: synthesis, X-ray crystallography and electrochemical properties of [Cu(dafone) <sub>n</sub> ] <sup>X</sup> complexes (dafone=4,5-diaza-fluoren-9-one, X=Br, I, SCN). <i>Inorganica Chimica Acta</i> , 2002, 332, 167-175.	2.4	28
14	Ionic Pyridinium-Oxazole Dyads: Design, Synthesis, and Application in Mitochondrial Imaging. <i>Journal of Organic Chemistry</i> , 2019, 84, 1766-1777.	3.2	26
15	Ruthenium(II) polypyridyl complexes with hydrophobic ancillary ligand as A $\beta$ aggregation inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2016, 121, 793-802.	5.5	25
16	Ru(II)-p-cymene Thiosemicarbazone Complexes as Inhibitors of Amyloid $\beta$ (A $\beta$ ) Peptide Aggregation and A $\beta$ -Induced Cytotoxicity. <i>ChemistrySelect</i> , 2017, 2, 11638-11644.	1.5	24
17	Mass Spectral Studies Reveal the Structure of A $\beta$ 16-Cu <sup>2+</sup> Complex Resembling ATCUN Motif. <i>Inorganic Chemistry</i> , 2012, 51, 7960-7962.	4.0	23
18	Low catalytic activity of the Cu(II)-binding motif (Xxx-Zzz-His; ATCUN) in reactive oxygen species production and inhibition by the Cu(I)-chelator BCS. <i>Chemical Communications</i> , 2018, 54, 11945-11948.	4.1	22

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19	A Bimodal, Cationic, and Water-Soluble Calix[4]arene Conjugate: Design, Synthesis, Characterization, and Transfection of Red Fluorescent Protein Encoded Plasmid in Cancer Cells. ACS Applied Materials & Interfaces, 2017, 9, 5109-5117.	8.0	16
20	Cytotoxicity of apo bovine $\alpha$ -lactalbumin complexed with $\text{La}^{3+}$ on cancer cells supported by its high resolution crystal structure. Scientific Reports, 2019, 9, 1780.	3.3	15
21	Solution Structure of Physiological $\text{Cu}(\text{His})_2$ : Novel Considerations into Imidazole Coordination. Inorganic Chemistry, 2009, 48, 7000-7002.	4.0	13
22	Oxidative Intramolecular 1,2-Amino $\alpha$ -Oxygenation of Alkynes under $\text{Au}^{\text{I}}/\text{Au}^{\text{III}}$ Catalysis: Discovery of a Pyridinium $\alpha$ -Oxazole Dyad as an Ionic Fluorophore. Angewandte Chemie, 2017, 129, 775-779.	2.0	13
23	Development of a novel smartphone-based application for accurate and sensitive on-field hemoglobin measurement. RSC Advances, 2016, 6, 104067-104072.	3.6	12
24	Fluorescent Copper Probe Inhibiting $\text{Al}^{21\alpha}$ -Copper(II)-Catalyzed Intracellular Reactive Oxygen Species Production. Inorganic Chemistry, 2017, 56, 3729-3732.	4.0	12
25	Cisplatin Inhibits the Formation of a Reactive Intermediate during Copper-Catalyzed Oxidation of Amyloid $\beta$ Peptide. Inorganic Chemistry, 2014, 53, 10003-10005.	4.0	11
26	Fruit and Vegetable Consumption and Their Association With the Indicators of Iron and Inflammation Status Among Adolescent Girls. Journal of the American College of Nutrition, 2019, 38, 218-226.	1.8	10
27	Hemiprotonated dafone, a new cationic species. The novel di-dafonium iron(III) complex: $[(\text{dafone})_2\text{H}]^+[\text{FeCl}_4]^-$ . Inorganic Chemistry Communication, 2003, 6, 1129-1132.	3.9	9
28	Histidine availability is decisive in ROS-mediated cytotoxicity of copper complexes of $\text{Al}^{21\alpha}$ peptide. Free Radical Research, 2016, 50, 405-413.	3.3	9
29	Thiosemicarbazone Moiety Assist in Interaction of Planar Aromatic Molecules with Amyloid Beta Peptide and Acetylcholinesterase. ChemistrySelect, 2017, 2, 3911-3916.	1.5	7
30	A simple methyl substitution of 3-acetylcoumarin thiosemicarbazone enhances cellular autophagy flux, reduces inflammation and ameliorates rough eye phenotype in the Drosophila model of Alzheimer's disease. Journal of Molecular Structure, 2021, 1235, 130265.	3.6	7
31	Elucidation of hypoglycemic action and toxicity studies of insulin-like protein from Costus igneus. Phytochemistry, 2016, 124, 99-107.	2.9	6
32	$\text{Mn}(\text{III})\alpha$ -Salen Protect Against Different ROS Species Generated by the $\text{Al}^{21\alpha}$ -Cu Complex. ChemistrySelect, 2016, 1, 3497-3501.	1.5	5
33	A concave microwell array fabricated using the ommatidium of the common fruit fly for efficient cell culture. RSC Advances, 2016, 6, 64266-64270.	3.6	2
34	Fluorescent zinc(ii) complexes for gene delivery and simultaneous monitoring of protein expression. Dalton Transactions, 2016, 45, 16984-16996.	3.3	1
35	Cytotoxic properties of metal-quinone complexes: Role of redox cycling in the toxicities of iron(II) and iron(III) complexes of 2- and 5-hydroxy-1,4-naphthoquinones to isolated rat hepatocytes. Journal of Chemical Sciences, 1996, 108, 315-315.	1.5	0