

# Prakasha Shetty

## 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.

81  
papers

753  
citations

15  
h-index

25  
g-index

90  
ext. papers

1,004  
ext. citations

3.6  
avg. IF

4.89  
L-index

#	Paper	IF	Citations
81	Formulation of new screen printable PANI and PANI/Graphite based inks: Printing and characterization of flexible thermoelectric generators. <i>Energy</i> , <b>2022</b> , 238, 121680	7.9	2
80	The integration of flexible dye-sensitized solar cells and storage devices towards wearable self-charging power systems: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 159, 112252	16.2	2
79	Water-based flexographic ink using chalcones exhibiting aggregation-induced enhanced emission for anti-counterfeit applications. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 344, 117974	6	0
78	Novel photosensitizer for dye-sensitized solar cell based on ionic liquid doped blend polymer electrolyte. <i>Journal of Solid State Electrochemistry</i> , <b>2021</b> , 25, 1461-1478	2.6	5
77	The impact of naphthalimide derivative on the mitigation of mild steel corrosion in sulfamic acid medium: experimental and theoretical insights. <i>Chemical Papers</i> , <b>2021</b> , 75, 3831-3845	1.9	5
76	Dye-Sensitized Solar Cell for Indoor Applications: A Mini-Review. <i>Journal of Electronic Materials</i> , <b>2021</b> , 50, 3187-3206	1.9	21
75	Recent progress in dye sensitized solar cell materials and photo-supercapacitors: A review. <i>Journal of Power Sources</i> , <b>2021</b> , 493, 229698	8.9	32
74	Carbon dots as emerging luminophores in security inks for anti-counterfeit applications - An up-to-date review. <i>Applied Materials Today</i> , <b>2021</b> , 23, 101050	6.6	15
73	Recent developments in metal-free organic sensitizers derived from carbazole, triphenylamine, and phenothiazine for dye-sensitized solar cells. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 6584-6643	4.5	14
72	Influence of polar substituents and flexible chain length on mesomorphism in non-mesogenic linear hydrogen bonded complexes. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 336, 116313	6	2
71	Eco-friendly flexographic ink from fluorene-based Schiff base pigment for anti-counterfeiting and printed electronics applications. <i>Progress in Organic Coatings</i> , <b>2021</b> , 161, 106463	4.8	4
70	Anticorrosion Behaviour of a Hydrazide Derivative on 6061 Al-15%(v) SiC(P) Composite in Acid Medium: Experimental and Theoretical Calculations. <i>Journal of Bio- and Tribo-Corrosion</i> , <b>2020</b> , 6, 1	2.9	3
69	Effect of Cysteine as Environmentally Friendly Inhibitor on AA6061-T6 Corrosion in 0.5 M HCl: Electrochemical and Surface Studies. <i>Surface Engineering and Applied Electrochemistry</i> , <b>2020</b> , 56, 624-634	0.8	3
68	Synthesis, characterization and anticorrosion behaviour of a novel hydrazide derivative on mild steel in hydrochloric acid medium. <i>Bulletin of Materials Science</i> , <b>2020</b> , 43, 1	1.7	7
67	Investigation of Anticorrosive Property of Carbazolecarbaldehyde Azine on Mild Steel Using Electrochemical, Morphological and Theoretical Studies. <i>Journal of Bio- and Tribo-Corrosion</i> , <b>2020</b> , 6, 1	2.9	7
66	Schiff bases: An overview of their corrosion inhibition activity in acid media against mild steel. <i>Chemical Engineering Communications</i> , <b>2020</b> , 207, 985-1029	2.2	19
65	Attenuation of Acid Corrosion of Mild Steel Using a Novel Organic Dye: Electrochemical and Surface Measurements. <i>Surface Engineering and Applied Electrochemistry</i> , <b>2019</b> , 55, 443-454	0.8	4

64	Hydrazide Derivatives: An Overview of Their Inhibition Activity against Acid Corrosion of Mild Steel. <i>South African Journal of Chemistry</i> , <b>2018</b> , 71, 46-50	1.8	12
63	Inhibition Behaviour of 2-[(2-Methylquinolin-8-yl) Oxy] Acetohydrazide on the Corrosion of Mild Steel in Hydrochloric Acid Solution. <i>Transactions of the Indian Institute of Metals</i> , <b>2017</b> , 70, 1139-1150	1.2	11
62	Corrosion inhibition behaviour of thiourea derivatives in acid media against mild steel deterioration: An overview. <i>Surface Engineering and Applied Electrochemistry</i> , <b>2017</b> , 53, 587-591	0.8	7
61	Electrochemical measurements for the corrosion inhibition of mild steel in 1 M hydrochloric acid by using an aromatic hydrazide derivative. <i>Arabian Journal of Chemistry</i> , <b>2017</b> , 10, 653-663	5.9	97
60	Corrosion protection properties of 4-hydroxy-N <sup>T</sup> [(1E, 2E)-3-phenylprop-2-en-1-ylidene] benzohydrazide on mild steel in hydrochloric acid medium. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2015</b> , 51, 1034-1042	0.9	7
59	Synthesis and biological evaluation of novel substituted 1,3,4-thiadiazole and 2,6-di aryl substituted imidazo [2,1-b] [1,3,4] thiadiazole derivatives. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 71, 316-23	6.8	41
58	Corrosion Inhibition Effect of 4-Hydroxy-N <sup>T</sup> [(E)-(1H-indole-2-ylmethylidene)] Benzohydrazide on Mild Steel in Hydrochloric Acid Solution. <i>International Journal of Corrosion</i> , <b>2014</b> , 2014, 1-11	2	16
57	Corrosion Inhibition of Mild Steel in 2M HCl by a Schiff Base Derivative <b>2014</b> , 5, 499-507		15
56	Synthesis, characterization, anticancer, and antioxidant activity of some new thiazolidin-4-ones in MCF-7 cells. <i>Medicinal Chemistry Research</i> , <b>2013</b> , 22, 758-767	2.2	29
55	Novel N-substituted-5-phenyl-1H-pyrazole-4-ethyl carboxylates as potential NLO materials. <i>Arabian Journal of Chemistry</i> , <b>2013</b> , 6, 97-102	5.9	12
54	In vivo anticancer and histopathology studies of Schiff bases on Ehrlich ascitic carcinoma cells. <i>Arabian Journal of Chemistry</i> , <b>2013</b> , 6, 25-33	5.9	21
53	Synthesis, characterization and their anticonvulsant, anti-inflammatory studies of some novel chromeno oxadiazoles. <i>Medicinal Chemistry Research</i> , <b>2013</b> , 22, 1497-1503	2.2	1
52	Synthesis, characterization and antimicrobial activity of novel ethyl 1-(N-substituted)-5-phenyl-1H-pyrazole-4-carboxylate derivatives. <i>Medicinal Chemistry Research</i> , <b>2012</b> , 21, 2702-2708	2.2	13
51	A novel series of homoallylic amines as potential antimicrobials. <i>Medicinal Chemistry Research</i> , <b>2012</b> , 21, 1090-1097	2.2	1
50	Quinolin-3-amine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o3155		3
49	4-(4-Bromo-phen-yl)-1-(2,6-difluoro-benz-yl)-3-(3,4,5-trimeth-oxy-phen-yl)-1H-1,2,4-triazole-5(4H)-thione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o89		
48	Methyl 2-[(2-methyl-phen-oxy)meth-yl]benzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o728		2
47	1-[(3-Benz-yloxy-2-nitro-phen-oxy)meth-yl]benzene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o2317-8		

46	Synthesis, characterization and in vitro cytotoxic properties of some new Schiff and Mannich bases in Hep G2 cells. <i>Medicinal Chemistry Research</i> , <b>2011</b> , 20, 1024-1032	2.2	13
45	Synthesis, characterization, antioxidant, and anticancer studies of 6-[3-(4-chlorophenyl)-1H-pyrazol-4-yl]-3-[(2-naphthoxy)methyl][1,2,4]triazolo[3,4-b][1,3,4]thiadiazole in HepG2 cell lines. <i>Medicinal Chemistry Research</i> , <b>2011</b> , 20, 1074-1080	2.2	8
44	2,6-Dichloro-3-nitro-pyridine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o1785		1
43	4-(3-Chloro-phen-yl)-3-[(2,6-difluoro-benz-yl)sulfan-yl]-5-(3,4,5-trimeth-oxy-phen-yl)-4H-1,2,4-triazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o3422-3		5
42	2-(5-Bromo-pyridin-3-yl)-5-[3-(4,5,6,7-tetra-hydro-thieno[3,2-c]pyridine-5-ylsulfon-yl)thio-phen-2-yl]-1,3,4-oxa-diazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o2743-4		2
41	4-(o-Tol-yl)piperazin-1-ium chloride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o3115		2
40	Ethyl 1-cyclo-hexyl-5-(4-meth-oxy-phen-yl)-1H-pyrazole-4-carboxyl-ate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o3460-1		
39	1-Cyclo-hexyl-5-(4-meth-oxy-phen-yl)-1H-pyrazole-4-carb-oxy-lic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o3513		3
38	2-(Biphenyl-4-yl)-5-[3-(4,5,6,7-tetra-hydro-thieno[3,2-c]pyridine-5-ylsulfon-yl)thio-phen-2-yl]-1,3,4-oxa-diazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o2781-2		1
37	5-(2,4-Dichloro-phen-yl)-3-(4-nitro-phen-yl)-1,2,4-oxadiazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o1196-7		1
36	2-Chloro-4-nitro-1H-imidazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o1828-9		4
35	4,6-Dimeth-oxy-2-(methyl-sulfon-yl)pyrimidine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o1913		
34	Ethyl 1-tert-butyl-5-phenyl-1H-pyrazole-4-carboxyl-ate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o2228		2
33	Ethyl 1,5-diphenyl-1H-pyrazole-4-carboxyl-ate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o2282-3		4
32	Methyl 2,6-bis-[(5-bromo-4,6-dimeth-oxy-pyrimidin-2-yl)-oxy]benzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o1871		2
31	Methyl 2,6-bis-[(5-chloro-4,6-dimeth-oxy-pyrimidin-2-yl)-oxy]benzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o1869-70		1
30	3-(2,4-Dichloro-phen-yl)-5-phenyl-1,2,4-oxadiazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o851		1
29	INHIBITING EFFECT OF N-CYCLOHEXYL-N'-PHENYL THIOUREA ON THE CORROSION OF 304 SS IN HYDROCHLORIC ACID SOLUTION. <i>Chemical Engineering Communications</i> , <b>2010</b> , 198, 120-130	2.2	10

28	5-[(4-Meth-oxy-benz-yl)sulfan-yl]-2-methyl-1,3,4-thia-diazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 67, o163		2
27	4-(1,2,4-Triazol-1-yl)aniline. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 67, o164		2
26	2-Methyl-5-[(3-methyl-4-nitro-benz-yl)sulfan-yl]-1,3,4-thia-diazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 67, o205-6		1
25	6-[3-(4-Fluorophenyl)-1H-pyrazol-4-yl]-3-[(2-naphthoxy)methyl][1,2,4]triazolo[3,4-b][1,3,4]thiadiazole as a potent antioxidant and an anticancer agent induces growth inhibition followed by apoptosis in HepG2 cells. <i>Arabian Journal of Chemistry</i> , <b>2010</b> , 3, 211-217	5.9	45
24	Synthesis, characterization and biological activity of some new 1,3,4-oxadiazole bearing 2-flouro-4-methoxy phenyl moiety. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 1206-10	6.8	91
23	Novel chromeno [2,3-b]-pyrimidine derivatives as potential anti-microbial agents. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 2695-9	6.8	38
22	Synthesis and biological evaluation of aminoketones. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 6090-4	6.8	11
21	3-(2,4-Dichloro-phen-yl)-5-methyl-1,2,4-oxadiazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o772		1
20	2-Phenoxy-acetohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 66, o53-4		4
19	An ortho-rhom-bic polymorph of 6-de-oxy-6-iodo-1,2:3,4-di-O-isopropyl-idene-β-galactopyran-oside. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1999-2000		2
18	2-[(4-tert-Butyl-anilino)(phen-yl)meth-yl]cyclo-hexa-none. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o539-40		5
17	2-(2-Chloro-phen-oxy)acetohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 66, o31-2		3
16	N-(1-Naphth-yl)-10H-9-oxa-1,3-diaza-anthracen-4-amine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o523-4		
15	Redetermination of methyl 3,4-O-isopropyl-idene-β-fucopyran-oside monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1002-3		
14	(4-Chloro-2-fluoro-phen-yl)[1-(2,6-difluoro-phen-yl)but-3-en-yl]amine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1027-8		
13	5-Azido-4-benz-yloxy-2-meth-oxy-6-methyl-perhydro-pyran-3-ol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1972		
12	4-(4-Fluoro-phen-oxy)benzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1971		
11	catena-Poly[[[(ethanol- $\text{D}$ )[3-(1-phenyl-1H-pyrazol-3-yl)benzoic acid- $\text{D}$ ]]lithium]-β-(1-phenyl-1H-pyrazol-3-yl)benzoato- $\text{D}$ : $\text{O}$ ]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, m917-8		

10	4-(N,N-diethylamino) benzaldehyde thiosemicarbazone in the spectrophotometric determination of palladium. <i>Annali Di Chimica</i> , <b>2007</b> , 97, 1097-106		6
9	The inhibition action of N-(furfuryl)-N'-phenyl thiourea on the corrosion of mild steel in hydrochloric acid medium. <i>Materials Letters</i> , <b>2007</b> , 61, 2347-2349	3.3	17
8	Complexometric determination of palladium(II) using thioacetamide as a selective masking agent. <i>Annali Di Chimica</i> , <b>2006</b> , 96, 125-9		5
7	The inhibition action of N-furfuryl-N'-phenyl thiourea on the corrosion of mild steel in acid media. <i>Journal of the Serbian Chemical Society</i> , <b>2006</b> , 71, 1073-1082	0.9	15
6	INHIBITION OF MILD STEEL CORROSION IN ACID MEDIA BY N-(2-THIOPHENYL)-N'-PHENYL THIOUREA. <i>Journal of the Chilean Chemical Society</i> , <b>2006</b> , 51,	2.5	4
5	Indirect complexometric determination of mercury(II) in synthetic alloys and complexes using ethanethiol as a selective masking agent. <i>Journal of the Serbian Chemical Society</i> , <b>2006</b> , 71, 269-275	0.9	
4	Sodium dithionite as a selective demasking agent for the complexometric determination of thallium. <i>Journal of the Serbian Chemical Society</i> , <b>2005</b> , 70, 1357-1362	0.9	3
3	Complexometric Determination of Mercury(II) Using 2-Mercaptopropionylglycine as a Selective Masking Reagent. <i>Mikrochimica Acta</i> , <b>2001</b> , 137, 71-73	5.8	1
2	Mannich Base as an Efficient Corrosion Inhibitor of AA6061 in 0.5M HCl: Electrochemical, Surface Morphological and Theoretical Investigations. <i>Arabian Journal for Science and Engineering</i> , 1	2.5	0
1	Indole Hydrazone Derivatives as Potential Corrosion Inhibitors for Mild Steel in HCl Acid Medium: Experimental Study and Theoretical Calculations. <i>Transactions of the Indian Institute of Metals</i> , 1	1.2	4