

# Prakasha Shetty

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8628486/publications.pdf>

Version: 2024-02-01

84  
papers

1,307  
citations

430874  
18  
h-index

395702  
33  
g-index

90  
all docs

90  
docs citations

90  
times ranked

1324  
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2017, 10, 653-663.	4.9	136
2	Synthesis, characterization and biological activity of some new 1,3,4-oxadiazole bearing 2-fluoro-4-methoxy phenyl moiety. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 1206-1210.	5.5	109
3	Recent progress in dye sensitized solar cell materials and photo-supercapacitors: A review. <i>Journal of Power Sources</i> , 2021, 493, 229698.	7.8	96
4	Dye-Sensitized Solar Cell for Indoor Applications: A Mini-Review. <i>Journal of Electronic Materials</i> , 2021, 50, 3187-3206.	2.2	80
5	Carbon dots as emerging luminophores in security inks for anti-counterfeit applications - An up-to-date review. <i>Applied Materials Today</i> , 2021, 23, 101050.	4.3	58
6	6-[3-(4-Fluorophenyl)-1H-pyrazol-4-yl]-3-[(2-naphthyloxy)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> , 2010, 3, 211-217.	4.9	56
7	Novel chromeno [2,3-b]-pyrimidine derivatives as potential anti-microbial agents. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 2695-2699.	5.5	56
8	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> , 2014, 71, 316-323.	5.5	51
9	Schiff bases: An overview of their corrosion inhibition activity in acid media against mild steel. <i>Chemical Engineering Communications</i> , 2020, 207, 985-1029.	2.6	51
10	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> , 2021, 45, 6584-6643.	4.5	51
11	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> , 2022, 159, 112252.	16.4	41
12	Synthesis, characterization, anticancer, and antioxidant activity of some new thiazolidin-4-ones in MCF-7 cells. <i>Medicinal Chemistry Research</i> , 2013, 22, 758-767.	2.4	37
13	In vivo anticancer and histopathology studies of Schiff bases on Ehrlich ascitic carcinoma cells. <i>Arabian Journal of Chemistry</i> , 2013, 6, 25-33.	4.9	28
14	Formulation of new screen printable PANI and PANI/Graphite based inks: Printing and characterization of flexible thermoelectric generators. <i>Energy</i> , 2022, 238, 121680.	8.8	25
15	Hydrazide Derivatives: An Overview of Their Inhibition Activity against Acid Corrosion of Mild Steel. <i>South African Journal of Chemistry</i> , 2018, 71, 46-50.	0.6	23
16	Synthesis, characterization and antimicrobial activity of novel ethyl 1-(N-substituted)-5-phenyl-1H-pyrazole-4-carboxylate derivatives. <i>Medicinal Chemistry Research</i> , 2012, 21, 2702-2708.	2.4	22
17	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> , 2006, 71, 1073-1082.	0.8	22
18	The inhibition action of N-(furfuryl)-N-phenyl thiourea on the corrosion of mild steel in hydrochloric acid medium. <i>Materials Letters</i> , 2007, 61, 2347-2349.	2.6	20

#	ARTICLE	IF	CITATIONS
19	Corrosion Inhibition Effect of 4-Hydroxy-N-[(E)-(1H-indole-2-ylmethylidene)] Benzohydrazide on Mild Steel in Hydrochloric Acid Solution. International Journal of Corrosion, 2014, 2014, 1-11.	1.1	20
20	Corrosion Inhibition of Mild Steel in 2M HCl by a Schiff Base Derivative. , 2014, 5, 499-507.		20
21	Novel photosensitizer for dye-sensitized solar cell based on ionic liquid-doped blend polymer electrolyte. Journal of Solid State Electrochemistry, 2021, 25, 1461-1478.	2.5	16
22	Eco-friendly flexographic ink from fluorene-based Schiff base pigment for anti-counterfeiting and printed electronics applications. Progress in Organic Coatings, 2021, 161, 106463.	3.9	16
23	Synthesis, characterization and in vitro cytotoxic properties of some new Schiff and Mannich bases in Hep G2 cells. Medicinal Chemistry Research, 2011, 20, 1024-1032.	2.4	15
24	Novel N-substituted-5-phenyl-1H-pyrazole-4-ethyl carboxylates as potential NLO materials. Arabian Journal of Chemistry, 2013, 6, 97-102.	4.9	15
25	Inhibition Behaviour of 2-[(2-Methylquinolin-8-yl) Oxy] Acetohydrazide on the Corrosion of Mild Steel in Hydrochloric Acid Solution. Transactions of the Indian Institute of Metals, 2017, 70, 1139-1150.	1.5	15
26	Synthesis and biological evaluation of aminoketones. European Journal of Medicinal Chemistry, 2010, 45, 6090-6094.	5.5	14
27	INHIBITING EFFECT OF N-CYCLOHEXYL-N-2-PHENYL THIOUREA ON THE CORROSION OF 304 SS IN HYDROCHLORIC ACID SOLUTION. Chemical Engineering Communications, 2010, 198, 120-130.	2.6	14
28	Synthesis, characterization and anticorrosion behaviour of a novel hydrazide derivative on mild steel in hydrochloric acid medium. Bulletin of Materials Science, 2020, 43, 1.	1.7	13
29	Investigation of Anticorrosive Property of Carbazolecarbaldehyde Azine on Mild Steel Using Electrochemical, Morphological and Theoretical Studies. Journal of Bio- and Tribo-Corrosion, 2020, 6, 1.	2.6	10
30	Synthesis, characterization, antioxidant, and anticancer studies of 6-[3-(4-chlorophenyl)-1H-pyrazol-4-yl]-3-[(2-naphthyloxy)methyl][1,2,4]triazolo[3,4-b][1,3,4]thiadiazole in HepG2 cell lines. Medicinal Chemistry Research, 2011, 20, 1074-1080.	2.4	9
31	Corrosion protection properties of 4-hydroxy-N'-[(1E, 2E)-3-phenylprop-2-en-1-ylidene] benzohydrazide on mild steel in hydrochloric acid medium. Protection of Metals and Physical Chemistry of Surfaces, 2015, 51, 1034-1042.	1.1	9
32	Indole Hydrazide Derivatives as Potential Corrosion Inhibitors for Mild Steel in HCl Acid Medium: Experimental Study and Theoretical Calculations. Transactions of the Indian Institute of Metals, 2022, 75, 11-25.	1.5	9
33	Effect of Cysteine as Environmentally Friendly Inhibitor on AA6061-T6 Corrosion in 0.5 M HCl: Electrochemical and Surface Studies. Surface Engineering and Applied Electrochemistry, 2020, 56, 624-634.	0.8	9
34	Corrosion inhibition behaviour of thiourea derivatives in acid media against mild steel deterioration: An overview. Surface Engineering and Applied Electrochemistry, 2017, 53, 587-591.	0.8	8
35	Anticorrosion Behaviour of a Hydrazide Derivative on 6061 Al-15%(v) SiC(P) Composite in Acid Medium: Experimental and Theoretical Calculations. Journal of Bio- and Tribo-Corrosion, 2020, 6, 1.	2.6	8
36	The impact of naphthalimide derivative on the mitigation of mild steel corrosion in sulfamic acid medium: experimental and theoretical insights. Chemical Papers, 2021, 75, 3831-3845.	2.2	8

#	ARTICLE	IF	CITATIONS
37	Attenuation of Acid Corrosion of Mild Steel Using a Novel Organic Dye: Electrochemical and Surface Measurements. Surface Engineering and Applied Electrochemistry, 2019, 55, 443-454.	0.8	7
38	2-[(4-tert-Butylanilino)(phenyl)methyl]cyclohexanone. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o539-o540.	0.2	7
39	Water-based flexographic ink using chalcones exhibiting aggregation-induced enhanced emission for anti-counterfeit applications. Journal of Molecular Liquids, 2021, 344, 117974.	4.9	7
40	The improved performance of dye-sensitized solar cells using co-sensitization and polymer gel electrolyte. International Journal of Energy Research, 2022, 46, 12974-12987.	4.5	7
41	Complexometric Determination of Palladium(II) Using Thioacetamide as a Selective Masking Agent. Annali Di Chimica, 2006, 96, 125-129.	0.6	6
42	4-(N,N-Diethylamino) Benzaldehyde Thiosemicarbazone in the Spectrophotometric Determination of Palladium. Annali Di Chimica, 2007, 97, 1097-1106.	0.6	6
43	INHIBITION OF MILD STEEL CORROSION IN ACID MEDIA BY N-(2-THIOPHENYL)-N'-PHENYL THIOUREA. Journal of the Chilean Chemical Society, 2006, 51, .	1.2	6
44	4-(3-Chlorophenyl)-3-[(2,6-difluorobenzyl)sulfanyl]-5-(3,4,5-trimethoxyphenyl)-4H-1,2,4-triazole. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o3422-o3423.	0.2	5
45	2-Phenoxyacetohydrazide. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o53-o54.	0.2	4
46	2-Chloro-4-nitro-1H-imidazole. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o1828-o1829.	0.2	4
47	Ethyl 1,5-diphenyl-1H-pyrazole-4-carboxylate. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o2282-o2283.	0.2	4
48	A novel series of homoallylic amines as potential antimicrobials. Medicinal Chemistry Research, 2012, 21, 1090-1097.	2.4	4
49	Influence of polar substituents and flexible chain length on mesomorphism in non-mesogenic linear hydrogen bonded complexes. Journal of Molecular Liquids, 2021, 336, 116313.	4.9	4
50	4-(1,2,4-Triazol-1-yl)aniline. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o164-o164.	0.2	3
51	1-Cyclohexyl-5-(4-methoxyphenyl)-1H-pyrazole-4-carboxylic acid. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o3513-o3513.	0.2	3
52	Quinolin-3-amine. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o3155-o3155.	0.2	3
53	2-(2-Chlorophenoxy)acetohydrazide. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o31-o32.	0.2	3
54	Sodium dithionite as a selective demasking agent for the complexometric determination of thallium. Journal of the Serbian Chemical Society, 2005, 70, 1357-1362.	0.8	3

#	ARTICLE	IF	CITATIONS
55	Mannich Base as an Efficient Corrosion Inhibitor of AA6061 in 0.5M HCl: Electrochemical, Surface Morphological and Theoretical Investigations. Arabian Journal for Science and Engineering, 0, , 1.	3.0	3
56	An orthorhombic polymorph of 6-deoxy-6-iodo-1,2:3,4-di-O-isopropylidene- $\alpha$ -D-galactopyranoside. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1999-o2000.	0.2	2
57	Ethyl 1-tert-butyl-5-phenyl-1H-pyrazole-4-carboxylate. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o2228-o2228.	0.2	2
58	Methyl 2,6-bis[(5-bromo-4,6-dimethoxypyrimidin-2-yl)oxy]benzoate. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o1871-o1871.	0.2	2
59	Corrosion inhibition of 15 Vol. % 6061 Al alloy/SiCp composite in 1 M hydrochloric acid medium. , 2010, , .		2
60	5-[(4-Methoxybenzyl)sulfanyl]-2-methyl-1,3,4-thiadiazole. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o163-o163.	0.2	2
61	2-(5-Bromopyridin-3-yl)-5-[3-(4,5,6,7-tetrahydrothieno[3,2-c]pyridine-5-ylsulfonyl)thiophen-2-yl]-1,3,4-oxadiazole. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2743-o2744.	0.2	2
62	4-(o-Tolyl)piperazin-1-ium chloride. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o3115-o3115.	0.2	2
63	Methyl 2-[(2-methylphenoxy)methyl]benzoate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o728-o728.	0.2	2
64	Synthesis, characterization and their anticonvulsant, anti-inflammatory studies of some novel chromeno oxadiazoles. Medicinal Chemistry Research, 2013, 22, 1497-1503.	2.4	2
65	Complexometric Determination of Mercury(II) Using 2-Mercaptopropionylglycine as a Selective Masking Reagent. Mikrochimica Acta, 2001, 137, 71-73.	5.0	1
66	5-(2,4-Dichlorophenyl)-3-(4-nitrophenyl)-1,2,4-oxadiazole. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o1196-o1197.	0.2	1
67	Methyl 2,6-bis[(5-chloro-4,6-dimethoxypyrimidin-2-yl)oxy]benzoate. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o1869-o1870.	0.2	1
68	3-(2,4-Dichlorophenyl)-5-phenyl-1,2,4-oxadiazole. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o851-o851.	0.2	1
69	2,6-Dichloro-3-nitropyridine. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o1785-o1785.	0.2	1
70	2-Methyl-5-[(3-methyl-4-nitrobenzyl)sulfanyl]-1,3,4-thiadiazole. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o205-o206.	0.2	1
71	2-(Biphenyl-4-yl)-5-[3-(4,5,6,7-tetrahydrothieno[3,2-c]pyridine-5-ylsulfonyl)thiophen-2-yl]-1,3,4-oxadiazole. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2781-o2782.	0.2	1
72	3-(2,4-Dichlorophenyl)-5-methyl-1,2,4-oxadiazole. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o772-o772.	0.2	1

#	ARTICLE	IF	CITATIONS
73	4,6-Dimethoxy-2-(methylsulfonyl)pyrimidine. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o1913-o1913.	0.2	0
74	Ethyl 1-cyclohexyl-5-(4-methoxyphenyl)-1H-pyrazole-4-carboxylate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o3460-o3461.	0.2	0
75	4-(4-Bromophenyl)-1-(2,6-difluorobenzyl)-3-(3,4,5-trimethoxyphenyl)-1H-1,2,4-triazole-5(4H)-thione. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o89-o89.	0.2	0
76	1-[(3-Benzyloxy-2-nitrophenoxy)methyl]benzene. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2317-o2318.	0.2	0
77	New Eco-Friendly Coating Formulations to Improve Strength and Physical Properties of Recycled Paper Boards for Sustainable Packaging Applications. Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry, 2021, 53, 36-48.	0.4	0
78	Indirect complexometric determination of mercury(II) in synthetic alloys and complexes using ethanethiol as a selective masking agent. Journal of the Serbian Chemical Society, 2006, 71, 269-275.	0.8	0
79	N-(1-Naphthyl)-10H-9-oxa-1,3-diazaanthracen-4-amine. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o523-o524.	0.2	0
80	Redetermination of methyl 3,4-O-isopropylidene- $\beta$ -D-fucopyranoside monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1002-o1003.	0.2	0
81	(4-Chloro-2-fluorophenyl)[1-(2,6-difluorophenyl)but-3-enyl]amine. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1027-o1028.	0.2	0
82	5-Azido-4-benzyloxy-2-methoxy-6-methylperhydropyran-3-ol. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1972-o1972.	0.2	0
83	4-(4-Fluorophenoxy)benzoic acid. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1971-o1971.	0.2	0
84	catena-Poly[[[(ethanol- $\beta$ -O)[3-(1-phenyl-1H-pyrazol-3-yl)benzoic acid- $\beta$ -O]lithium]- $\frac{1}{4}$ -3-(1-phenyl-1H-pyrazol-3-yl)benzoato- $\beta$ -O:O $\times$ 2]. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, m917-m918.	0.2	0