

Prakasha Shetty

List of Publications by Year in descending order

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84
papers

1,307
citations

430754

18
h-index

395590

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.	2.3	136
2	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> , 2010, 45, 1206-1210.	2.6	109
3	Recent progress in dye sensitized solar cell materials and photo-supercapacitors: A review. <i>Journal of Power Sources</i> , 2021, 493, 229698.	4.0	96
4	Dye-Sensitized Solar Cell for Indoor Applications: A Mini-Review. <i>Journal of Electronic Materials</i> , 2021, 50, 3187-3206.	1.0	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.	2.3	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.	2.3	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.	2.6	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.	2.6	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.	1.5	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.	2.2	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.	8.2	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.	1.1	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.	2.3	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.	4.5	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.	0.3	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.	1.1	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.	0.4	22
18	The inhibition action of N-(furfuryl)-N ² -phenyl thiourea on the corrosion of mild steel in hydrochloric acid medium. <i>Materials Letters</i> , 2007, 61, 2347-2349.	1.3	20

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19	Corrosion Inhibition Effect of 4-Hydroxy-N ^ε -[(E)-(1H-indole-2-ylmethylidene)] Benzohydrazide on Mild Steel in Hydrochloric Acid Solution. <i>International Journal of Corrosion</i> , 2014, 2014, 1-11.	0.6	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. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 1461-1478.	1.2	16
22	Eco-friendly flexographic ink from fluorene-based Schiff base pigment for anti-counterfeiting and printed electronics applications. <i>Progress in Organic Coatings</i> , 2021, 161, 106463.	1.9	16
23	Synthesis, characterization and in vitro cytotoxic properties of some new Schiff and Mannich bases in Hep G2 cells. <i>Medicinal Chemistry Research</i> , 2011, 20, 1024-1032.	1.1	15
24	Novel N-substituted-5-phenyl-1H-pyrazole-4-ethyl carboxylates as potential NLO materials. <i>Arabian Journal of Chemistry</i> , 2013, 6, 97-102.	2.3	15
25	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> , 2017, 70, 1139-1150.	0.7	15
26	Synthesis and biological evaluation of aminoketones. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 6090-6094.	2.6	14
27	INHIBITING EFFECT OF N-CYCLOHEXYL-N ^ε -2-PHENYL THIOUREA ON THE CORROSION OF 304 SS IN HYDROCHLORIC ACID SOLUTION. <i>Chemical Engineering Communications</i> , 2010, 198, 120-130.	1.5	14
28	Synthesis, characterization and anticorrosion behaviour of a novel hydrazide derivative on mild steel in hydrochloric acid medium. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	0.8	13
29	Investigation of Anticorrosive Property of Carbazolecarbaldehyde Azine on Mild Steel Using Electrochemical, Morphological and Theoretical Studies. <i>Journal of Bio- and Tribo-Corrosion</i> , 2020, 6, 1.	1.2	10
30	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> , 2011, 20, 1074-1080.	1.1	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. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2015, 51, 1034-1042.	0.3	9
32	Indole Hydrazide 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> , 2022, 75, 11-25.	0.7	9
33	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> , 2020, 56, 624-634.	0.3	9
34	Corrosion inhibition behaviour of thiourea derivatives in acid media against mild steel deterioration: An overview. <i>Surface Engineering and Applied Electrochemistry</i> , 2017, 53, 587-591.	0.3	8
35	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> , 2020, 6, 1.	1.2	8
36	The impact of naphthalimide derivative on the mitigation of mild steel corrosion in sulfamic acid medium: experimental and theoretical insights. <i>Chemical Papers</i> , 2021, 75, 3831-3845.	1.0	8

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37	Attenuation of Acid Corrosion of Mild Steel Using a Novel Organic Dye: Electrochemical and Surface Measurements. <i>Surface Engineering and Applied Electrochemistry</i> , 2019, 55, 443-454.	0.3	7
38	2-[(4- <i>tert</i> -Butylanilino)(phenyl)methyl]cyclohexanone. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o539-o540.	0.2	7
39	Water-based flexographic ink using chalcones exhibiting aggregation-induced enhanced emission for anti-counterfeit applications. <i>Journal of Molecular Liquids</i> , 2021, 344, 117974.	2.3	7
40	The improved performance of dye-sensitized solar cells using co-sensitization and polymer gel electrolyte. <i>International Journal of Energy Research</i> , 2022, 46, 12974-12987.	2.2	7
41	Complexometric Determination of Palladium(II) Using Thioacetamide as a Selective Masking Agent. <i>Annali Di Chimica</i> , 2006, 96, 125-129.	0.6	6
42	4-(<i>N,N</i> -Diethylamino) Benzaldehyde Thiosemicarbazone in the Spectrophotometric Determination of Palladium. <i>Annali Di Chimica</i> , 2007, 97, 1097-1106.	0.6	6
43	INHIBITION OF MILD STEEL CORROSION IN ACID MEDIA BY N-(2-THIOPHENYL)-N'-PHENYL THIOUREA. <i>Journal of the Chilean Chemical Society</i> , 2006, 51, .	0.5	6
44	4-(3-Chlorophenyl)-3-[(2,6-difluorobenzyl)sulfanyl]-5-(3,4,5-trimethoxyphenyl)-4H-1,2,4-triazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o3422-o3423.	0.2	5
45	2-Phenoxyacetohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o53-o54.	0.2	4
46	2-Chloro-4-nitro-1 <i>H</i> -imidazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o1828-o1829.	0.2	4
47	Ethyl 1,5-diphenyl-1 <i>H</i> -pyrazole-4-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o2282-o2283.	0.2	4
48	A novel series of homoallylic amines as potential antimicrobials. <i>Medicinal Chemistry Research</i> , 2012, 21, 1090-1097.	1.1	4
49	Influence of polar substituents and flexible chain length on mesomorphism in non-mesogenic linear hydrogen bonded complexes. <i>Journal of Molecular Liquids</i> , 2021, 336, 116313.	2.3	4
50	4-(1,2,4-Triazol-1-yl)aniline. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o164-o164.	0.2	3
51	1-Cyclohexyl-5-(4-methoxyphenyl)-1 <i>H</i> -pyrazole-4-carboxylic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o3513-o3513.	0.2	3
52	Quinolin-3-amine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o3155-o3155.	0.2	3
53	2-(2-Chlorophenoxy)acetohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o31-o32.	0.2	3
54	Sodium dithionite as a selective demasking agent for the complexometric determination of thallium. <i>Journal of the Serbian Chemical Society</i> , 2005, 70, 1357-1362.	0.4	3

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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.	1.7	3
56	An orthorhombic polymorph of 6-deoxy-6-iodo-1,2:3,4-di-O-isopropylidene- β -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.	1.1	2
65	Complexometric Determination of Mercury(II) Using 2-Mercaptopropionylglycine as a Selective Masking Reagent. Mikrochimica Acta, 2001, 137, 71-73.	2.5	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

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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.	0.1	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.	0.4	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- β -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- β O)]3-(1-phenyl-1H-pyrazol-3-yl)benzoic acid- β O]lithium]- $\frac{1}{4}$ -3-(1-phenyl-1H-pyrazol-3-yl)benzoato- β 2O:O \times 2]. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, m917-m918.	0.2	0