

Lokesh Koodlur Sannegowda

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,049
citations

331670

21
h-index

454955

30
g-index

50
all docs

50
docs citations

50
times ranked

1012
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption and enhanced photocatalytic activity of the {0 0 0 1} faceted Sm-doped ZnIn ₂ S ₄ microspheres. <i>Journal of Hazardous Materials</i> , 2014, 278, 572-583.	12.4	72
2	Nanomolar detection of 4-aminophenol using amperometric sensor based on a novel phthalocyanine. <i>Electrochimica Acta</i> , 2019, 318, 342-353.	5.2	65
3	Ni foam-supported azo linkage cobalt phthalocyanine as an efficient electrocatalyst for oxygen evolution reaction. <i>Journal of Power Sources</i> , 2020, 449, 227516.	7.8	52
4	Synthesis of novel azo group substituted polymeric phthalocyanine for amperometric sensing of nitrite. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 417-425.	7.8	51
5	Synthesis and characterization of tetra-substituted palladium phthalocyanine complexes. <i>Dyes and Pigments</i> , 2013, 96, 269-277.	3.7	49
6	Synthesis and electropolymerization of tetra-[\hat{I}^2 -(2-benzimidazole)] and tetra-[\hat{I}^2 -(2-(1-(4- Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td	3.7	46
7	Porphyrin macrocycle-stabilized gold and silver nanoparticles and their application in catalysis of hydrogen peroxide. <i>Dyes and Pigments</i> , 2015, 120, 155-160.	3.7	39
8	Nanomolar detection of mercury(II) using electropolymerized phthalocyanine film. <i>Electrochimica Acta</i> , 2021, 367, 137519.	5.2	39
9	Stable nano-sized copper and its oxide particles using cobalt tetraamino phthalocyanine as a stabilizer; application to electrochemical activity. <i>RSC Advances</i> , 2014, 4, 11367-11374.	3.6	33
10	Biologically inspired catalyst for electrochemical reduction of hazardous hexavalent chromium. <i>Dalton Transactions</i> , 2020, 49, 15061-15071.	3.3	33
11	Chemisorbed palladium phthalocyanine for simultaneous determination of biomolecules. <i>Microchemical Journal</i> , 2018, 143, 82-91.	4.5	32
12	Electropolymerized octabenzimidazole phthalocyanine as an amperometric sensor for hydrazine. <i>Journal of Electroanalytical Chemistry</i> , 2019, 839, 238-246.	3.8	31
13	Electropolymerization of palladium tetraaminephthalocyanine: Characterization and supercapacitance behavior. <i>Dyes and Pigments</i> , 2015, 112, 192-200.	3.7	29
14	Non-precious cobalt phthalocyanine-embedded iron ore electrocatalysts for hydrogen evolution reactions. <i>Sustainable Energy and Fuels</i> , 2021, 5, 1448-1457.	4.9	28
15	Phthalocyanine macrocycle as stabilizer for gold and silver nanoparticles. <i>Mikrochimica Acta</i> , 2009, 167, 97-102.	5.0	27
16	Simultaneous detection of paracetamol and 4-aminophenol at nanomolar levels using biocompatible cysteine-substituted phthalocyanine. <i>New Journal of Chemistry</i> , 2020, 44, 1294-1306.	2.8	27
17	Synthesis and electropolymerization of cobalt tetraaminebenzamidephthalocyanine macrocycle for the amperometric sensing of dopamine. <i>Journal of Electroanalytical Chemistry</i> , 2019, 838, 33-40.	3.8	26
18	Nanomolar detection of lead using electrochemical methods based on a novel phthalocyanine. <i>Inorganica Chimica Acta</i> , 2020, 506, 119564.	2.4	26

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19	Investigation of novel substituted zinc and aluminium phthalocyanines for photodynamic therapy of epithelial breast cancer. <i>Dyes and Pigments</i> , 2019, 170, 107592.	3.7	25
20	Synthesis and characterization of novel imine substituted phthalocyanine for sensing of l-cysteine. <i>Journal of Electroanalytical Chemistry</i> , 2019, 834, 130-137.	3.8	24
21	Self Assembled Films of Porphyrins with Amine Groups at Different Positions: Influence of Their Orientation on the Corrosion Inhibition and the Electrocatalytic Activity. <i>Molecules</i> , 2012, 17, 7824-7842.	3.8	23
22	A comparative study of carboxylic acid and benzimidazole phthalocyanines and their surface modification for dopamine sensing. <i>Journal of Electroanalytical Chemistry</i> , 2019, 847, 113262.	3.8	21
23	Solvent dependent dispersion behaviour of macrocycle stabilized cobalt nanoparticles and their applications. <i>New Journal of Chemistry</i> , 2018, 42, 11364-11372.	2.8	19
24	Phthalocyanine sheet polymer based amperometric sensor for the selective detection of 2,4-dichlorophenol. <i>Journal of Electroanalytical Chemistry</i> , 2020, 871, 114292.	3.8	16
25	Regioselective synthesis and biological evaluation of novel dispiroproline derivatives via one-pot four-component reaction. <i>Synthetic Communications</i> , 2019, 49, 3453-3464.	2.1	15
26	Bioinspired Precious-Metal-Free N4 Macrocycle as an Electrocatalyst for the Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2021, 4, 10826-10834.	5.1	15
27	Tetraphenolphthalein Cobalt(II) Phthalocyanine Polymer Modified with Multiwalled Carbon Nanotubes as an Efficient Catalyst for the Oxygen Reduction Reaction. <i>ACS Omega</i> , 2022, 7, 14291-14304.	3.5	15
28	Iodide recognition by the N,N-bis-succinamide-based dendritic molecule [CH ₂ C(O)NHC(CH ₂ CH ₂ C(O)OtBu) ₃] ₂ . <i>Sensors and Actuators B: Chemical</i> , 2009, 137, 350-356.	7.8	13
29	Electropolymerized film of cobalt tetrabenzimidazolephthalocyanine for the amperometric detection of H ₂ O ₂ . <i>Journal of Electroanalytical Chemistry</i> , 2018, 826, 96-103.	3.8	13
30	One-Step Vs Stepwise Immobilization of 1-D Coordination-Based Rh ⁺ Rh Molecular Wires on Gold Surfaces. <i>Langmuir</i> , 2012, 28, 11779-11789.	3.5	12
31	Self-assembly of reactive difunctional molecules on nickel electrode. <i>Surfaces and Interfaces</i> , 2019, 15, 19-25.	3.0	11
32	Mannich reaction derived phthalocyanine polymer for electrochemical detection of salicylic acid. <i>Inorganica Chimica Acta</i> , 2020, 512, 119895.	2.4	10
33	Nanomolar detection of 4-nitrophenol using Schiff-base phthalocyanine. <i>Microchemical Journal</i> , 2021, 164, 105980.	4.5	10
34	Biocompatible polymeric pyrazolopyrimidinium cobalt(II) phthalocyanine: An efficient electroanalytical platform for the detection of l-arginine. <i>Sensors and Actuators A: Physical</i> , 2021, 324, 112690.	4.1	10
35	A Single Chamber Direct Methanol Fuel Cell. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700321.	3.7	9
36	Zinc phthalocyanine anchored magnetite particles: Efficient platform for sensing of thiocyanate. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115385.	3.8	9

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37	MgSiO ₃ NPs catalyzed intramolecular cycloaddition reaction: A simple and stereoselective synthesis of unprecedented julolidine analogs. <i>Synthetic Communications</i> , 2018, 48, 2485-2495.	2.1	8
38	Symmetrically Substituted Zn and Al Phthalocyanines and Polymers for Photodynamic Therapy Application. <i>Frontiers in Chemistry</i> , 2021, 9, 647331.	3.6	8
39	The metal centre in salen-acridine dyad N ₂ O ₂ ligand-metal complexes modulates DNA binding and photocleavage efficiency. <i>New Journal of Chemistry</i> , 2020, 44, 9888-9895.	2.8	8
40	Novel biocompatible amide phthalocyanine for simultaneous electrochemical detection of adenine and guanine. <i>Microchemical Journal</i> , 2022, 175, 107223.	4.5	8
41	Novel amide coupled phthalocyanines: Synthesis and structure-property relationship for electrocatalysis and sensing of hydroquinone. <i>Journal of Electroanalytical Chemistry</i> , 2021, 898, 115657.	3.8	6
42	Tuning the Interfacial Chemistry of Redox-Active Polymer for Bifunctional Probing. <i>ChemElectroChem</i> , 2017, 4, 692-700.	3.4	5
43	Metal nanoparticles for electrochemical sensing applications. , 2021, , 589-629.		5
44	Novel polymeric zinc phthalocyanine for electro-oxidation and detection of ammonia. <i>Journal of Applied Electrochemistry</i> , 2022, 52, 325-338.	2.9	5
45	Nitrogen-rich palladium tetra amino-hippuric acid phthalocyanine complex and its hybrid composite with multi-walled carbon nanotubes for supercapacitor application. <i>Journal of Energy Storage</i> , 2022, 50, 104696.	8.1	5
46	An Electrochemical Valorization Fuel Cell for Simultaneous Electroorganic and Hydrogen Fuel Syntheses. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11284-11292.	3.1	4
47	An Agro-Waste Based Eco-Friendly Synthesis, Electrochemical Behavior and Anti-Oxidant Properties Evaluation of Pyrano[2,3-c]pyrazole and Pyrazolylchromenes Derivatives. <i>ChemistrySelect</i> , 2022, 7, .	1.5	4
48	Metal Coordination Polymer Framework Governed by Heat of Hydration for Noninvasive Differentiation of Alkali Metal Series. <i>Analytical Chemistry</i> , 2018, 90, 12917-12922.	6.5	3
49	MgSiO ₃ nanoparticle-catalyzed 1,3-dipolar cycloaddition reactions in the synthesis of novel spiroindane-1,3-diones derived from substituted chalcones. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 1708-1712.	1.4	3
50	Zinc Battery Driven by an Electro-Organic Reactor Cathode. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15007-15014.	6.7	2