

Subramanian Sakthinathan

List of Publications by Year in descending order

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63
papers

1,389
citations

279487

23
h-index

377514

34
g-index

64
all docs

64
docs citations

64
times ranked

1538
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and characterization of CuCrO ₂ @CeO ₂ nanofibers by electrospinning method. Journal of Materials Science: Materials in Electronics, 2022, 33, 1091-1100.	1.1	3
2	Investigation of electrocatalytic and photocatalytic ability of Cu/Ni/TiO ₂ /MWCNTs Nanocomposites for detection and degradation of antibiotic drug Furaltadone. Scientific Reports, 2022, 12, 886.	1.6	27
3	Enhanced Electrocatalytic Activity of Non-metal-Doped Transition Metal Oxides for an Electrochemical Detection of Furazolidone. Electroanalysis, 2022, 13, 348-360.	1.5	8
4	Highly sensitive and selective electrochemical detection of dopamine based on CuCrO ₂ -TiO ₂ composite decorated screen-printed modified electrode. Microchemical Journal, 2021, 160, 105694.	2.3	24
5	Novel construction of carbon nanofiber/CuCrO ₂ composite for selective determination of 4-nitrophenol in environmental samples and for supercapacitor application. RSC Advances, 2021, 11, 15856-15870.	1.7	9
6	Hydrothermal synthesis of high surface area CuCrO ₂ for H ₂ production by methanol steam reforming. RSC Advances, 2021, 11, 12607-12613.	1.7	13
7	Synthesis of N-rGO-MWCNT/CuCrO ₂ Catalyst for the Bifunctional Application of Hydrogen Evolution Reaction and Electrochemical Detection of Bisphenol-A. Catalysts, 2021, 11, 301.	1.6	16
8	Efficient Electrocatalyst for Hydrogen Evolution Reaction based on N-rGO-MWCNT/CuAlO ₂ Nanocomposite in Acidic Media. ECS Journal of Solid State Science and Technology, 2021, 10, 045011.	0.9	6
9	Preparation of CuCrO ₂ Anisotropic Dela-fossite-Type Thin Film by Electrospinning on Glass Substrates. Ceramics, 2021, 4, 364-377.	1.0	4
10	Hydrogen generation by methanol steam reforming process by delafossite-type CuYO ₂ nanopowder catalyst. Microporous and Mesoporous Materials, 2021, 324, 111305.	2.2	11
11	Environmental Remediation of Toxic Organic Pollutants Using Visible-Light-Activated Cu/La/CeO ₂ /GO Nanocomposites. Materials, 2021, 14, 6143.	1.3	1
12	Platinum incorporated mordenite zeolite modified glassy carbon electrode used for selective electrochemical detection of mercury ions. Microporous and Mesoporous Materials, 2020, 292, 109770.	2.2	41
13	Catalytic transformation of non-edible oils to biofuels through hydrodeoxygenation using Mo-Ni/mesoporous alumina-silica catalysts. Fuel, 2020, 262, 116494.	3.4	28
14	Reduced Graphene Oxide/Multiwalled Carbon Nanotube Composite Decorated with Fe ₃ O ₄ Magnetic Nanoparticles for Electrochemical Determination of Hydrazine in Environmental Water. Journal of Nanoscience and Nanotechnology, 2020, 20, 3148-3156.	0.9	15
15	Highly sensitive detection of environmental pollutant cadmium with ultrasonic irradiated Pt-supported ZSM-5 modified electrode. Microporous and Mesoporous Materials, 2020, 307, 110449.	2.2	7
16	An approach to develop high performance supercapacitor using Bi ₂ O ₃ based binary and ternary nanocomposites. Journal of Materials Science: Materials in Electronics, 2020, 31, 22417-22426.	1.1	12
17	Activated Graphite Supported Tunable Au@Pd Bimetallic Nanoparticle Composite Electrode for Methanol Oxidation. Journal of Nanoscience and Nanotechnology, 2020, 20, 6376-6384.	0.9	4
18	CuFeO ₂ @CeO ₂ nanopowder catalyst prepared by self-combustion glycine nitrate process and applied for hydrogen production from methanol steam reforming. International Journal of Hydrogen Energy, 2020, 45, 15752-15762.	3.8	25

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19	Anisotropic delafossite-type CuFeO_2 thin films deposited by electrospinning with rotating collector. <i>Journal of the Ceramic Society of Japan</i> , 2019, 127, 498-503.	0.5	8
20	A cerium vanadate interconnected with a carbon nanofiber heterostructure for electrochemical determination of the prostate cancer drug nilutamide. <i>Mikrochimica Acta</i> , 2019, 186, 579.	2.5	52
21	Preparation of CuCrO_2 Hollow Nanotubes from an Electrospun Al_2O_3 Template. <i>Nanomaterials</i> , 2019, 9, 1252.	1.9	10
22	Simple Sonochemical Synthesis of Cupric Oxide Sphere Decorated Reduced Graphene Oxide Composite for the Electrochemical Detection of Flutamide Drug in Biological Samples. <i>Journal of the Electrochemical Society</i> , 2019, 166, B68-B75.	1.3	27
23	Preparation of IT-SOFC with $\text{Pr}_{2.2}\text{NiO}_4$ cathode and hybrid $\text{Ce}_{0.8}\text{Sm}_{0.2}\text{O}_{1.9}$ electrolyte. <i>Journal of the Ceramic Society of Japan</i> , 2019, 127, 249-253.	0.5	2
24	Hydrothermal synthesis of silver molybdate/reduced graphene oxide hybrid composite: An efficient electrode material for the electrochemical detection of tryptophan in food and biological samples. <i>Composites Part B: Engineering</i> , 2019, 169, 249-257.	5.9	45
25	Catalytic activity of ratio-dependent SBA-15 supported zirconia catalysts for highly selective oxidation of benzyl alcohol to benzaldehyde and environmental pollutant heavy metal ions detection. <i>Journal of Molecular Structure</i> , 2019, 1176, 650-661.	1.8	29
26	Production of hydrogen from steam reforming of methanol carried out by self-combusted $\text{CuCr}_{1-x}\text{Fe}_x\text{O}_2$ ($x = 0 \leq 1$) nanopowders catalyst. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 2848-2856.	3.8	27
27	Preparation of CuAl_2O_4 submicron tubes from electrospun Al_2O_3 fibers. <i>Ceramics International</i> , 2019, 45, 1439-1442.	2.3	7
28	Design of novel 3D flower-like neodymium molybdate: An efficient and challenging catalyst for sensing and destroying pulmonary toxicity antibiotic drug nitrofurantoin. <i>Chemical Engineering Journal</i> , 2018, 346, 11-23.	6.6	75
29	Highly selective electrochemical detection of antipsychotic drug chlorpromazine in drug and human urine samples based on peas-like strontium molybdate as an electrocatalyst. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 643-655.	3.0	32
30	Hexamine cobalt(III) coordination complex grafted reduced graphene oxide composite for sensitive and selective electrochemical determination of morin in fruit samples. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1145-1155.	3.0	32
31	Ecofriendly preparation of graphene sheets decorated with an ethylenediamine copper(II) complex composite modified electrode for the selective detection of hydroquinone in water. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 490-500.	3.0	19
32	Electrospinning of $\text{Pr}_{2.2}\text{CuO}_4$ Fiber and its Cathode Application in Solid Oxide Fuel Cell. <i>Transactions of the Materials Research Society of Japan</i> , 2018, 43, 43-47.	0.2	1
33	Preparation of Samarium Oxide Nanoparticles Decorated Functionalized Multiwall Carbon Nanotubes Modified Electrode for the Electrochemical Determination of Catechol. <i>International Journal of Electrochemical Science</i> , 2018, 13, 6996-7007.	0.5	14
34	Highly selective oxidation of benzyl alcohol over Pt-sulphated zirconia supported on SBA-15 catalyst by using a high-pressure fixed bed reactor. <i>Polyhedron</i> , 2018, 155, 390-397.	1.0	19
35	Development of novel 3D flower-like praseodymium molybdate decorated reduced graphene oxide: An efficient and selective electrocatalyst for the detection of acetylcholinesterase inhibitor methyl parathion. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 353-361.	4.0	45
36	Multiwalled carbon nanotube supported Schiff base copper complex inorganic nanocomposite for enhanced electrochemical detection of dopamine. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 809-819.	3.0	15

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37	Green reduction of reduced graphene oxide with nickel tetraphenyl porphyrin nanocomposite modified electrode for enhanced electrochemical determination of environmentally pollutant nitrobenzene. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 207-216.	5.0	65
38	Environmentally friendly synthesis of CeO ₂ nanoparticles for the catalytic oxidation of benzyl alcohol to benzaldehyde and selective detection of nitrite. <i>Scientific Reports</i> , 2017, 7, 46372.	1.6	100
39	Novel Bifunctional Electrocatalyst for ORR Activity and Methyl Parathion Detection Based on Reduced Graphene Oxide/Palladium Tetraphenylporphyrin Nanocomposite. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14096-14107.	1.5	30
40	Reduced Graphene Oxide Supported Cobalt Bipyridyl Complex for Sensitive Detection of Methyl Parathion in Fruits and Vegetables. <i>Electroanalysis</i> , 2017, 29, 1950-1960.	1.5	43
41	Hydrothermal Synthesis of Three Dimensional Graphene-Multiwalled Carbon Nanotube Nanocomposite for Enhanced Electro Catalytic Oxidation of Caffeic Acid. <i>Electroanalysis</i> , 2017, 29, 1103-1112.	1.5	24
42	Metallated porphyrin noncovalent interaction with reduced graphene oxide-modified electrode for amperometric detection of environmental pollutant hydrazine. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3703.	1.7	36
43	Functionalization of Reduced Graphene Oxide with β -cyclodextrin Modified Palladium Nanoparticles for the Detection of Hydrazine in Environmental Water Samples. <i>Electroanalysis</i> , 2017, 29, 587-594.	1.5	22
44	A Highly Selective and Sensitive Detection of Ellagic Acid by Using Ethylenediamine Ligand Based Cobalt (II) Complex Modified Glassy Carbon Electrode. <i>International Journal of Electrochemical Science</i> , 2017, 12, 6829-6841.	0.5	12
45	Electrochemically Activated Screen Printed Carbon Electrode Decorated with Nickel Nano Particles for the Detection of Glucose in Human Serum and Human Urine Sample. <i>International Journal of Electrochemical Science</i> , 2016, 11, 7934-7946.	0.5	20
46	A non-covalent functionalization of copper tetraphenylporphyrin/chemically reduced graphene oxide nanocomposite for the selective determination of dopamine. <i>Applied Organometallic Chemistry</i> , 2016, 30, 40-46.	1.7	27
47	A non-covalent interaction of Schiff base copper alanine complex with green synthesized reduced graphene oxide for highly selective electrochemical detection of nitrite. <i>RSC Advances</i> , 2016, 6, 107416-107425.	1.7	13
48	Reduced graphene oxide/gold tetraphenyl porphyrin (RGO/Au-TPP) nanocomposite as an ultrasensitive amperometric sensor for environmentally toxic hydrazine. <i>RSC Advances</i> , 2016, 6, 56375-56383.	1.7	22
49	Reduced Graphene Oxide Non-covalent Functionalized with Zinc Tetra Phenyl Porphyrin Nanocomposite for Electrochemical Detection of Dopamine in Human Serum and Rat Brain Samples. <i>Electroanalysis</i> , 2016, 28, 2126-2135.	1.5	46
50	Electrocatalytic oxidation of dopamine based on non-covalent functionalization of manganese tetraphenylporphyrin/reduced graphene oxide nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2016, 468, 120-127.	5.0	40
51	Preparation of β -cyclodextrin entrapped graphite composite for sensitive detection of dopamine. <i>Carbohydrate Polymers</i> , 2016, 135, 267-273.	5.1	52
52	Kinetics and Thermodynamics of Formation and Electron-Transfer Reactions of Surfactant Cobalt(III) Complexes Containing Polypyridyl Ligands with Fe(CN) ₆ ⁴⁻ in Microheterogeneous Environment. <i>International Journal of Chemical Kinetics</i> , 2015, 47, 174-182.	1.0	0
53	A comparative study on the electron transfer reaction (ETR) of surfactant cobalt(III) complexes of aliphatic/aromatic ligands in micro heterogeneous media: a thermodynamic approach. <i>RSC Advances</i> , 2015, 5, 48079-48085.	1.7	1
54	Electron-transfer reactions of cobalt(III) complexes. 1. The kinetic investigation of the reduction of various surfactant cobalt(III) complexes by iron(II) in surface active ionic liquids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 143, 101-106.	2.0	1

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55	Biophysical insights into the intercalative interaction of surfactant cobalt(III) complexes of certain diimine ligands bound to yeast tRNA: Effects of hydrophobicity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 147, 93-98.	2.0	6
56	Synthesis, CMC determination and nucleic acid-binding interaction of a surfactant copper(II) complex containing amino acid-Schiff base ligand: [Cu(sal-ala)(bpy)(DA)]. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 267-275.	1.2	6
57	Synthesis, CMC Determination, Antimicrobial Activity and Nucleic Acid Binding of A Surfactant Copper(II) Complex Containing Phenanthroline and Alanine Schiff-Base. <i>Journal of Fluorescence</i> , 2014, 24, 589-598.	1.3	18
58	Influence of self-assembly on intercalative DNA binding interaction of double-chain surfactant Co(III) complexes containing imidazo[4,5-f][1,10]phenanthroline and dipyrido[3,2-d:2'-3'-f]quinoxaline ligands: experimental and theoretical study. <i>Dalton Transactions</i> , 2014, 43, 18074-18086.	1.6	41
59	Thermodynamics and kinetic investigation of electron transfer reactions of surfactant cobalt(III) complexes containing diimine ligands with iron(II) in the presence of liposome vesicles and amphiphilic salt media. <i>RSC Advances</i> , 2014, 4, 56068-56073.	1.7	3
60	Effect of hydrophobicity on intercalative binding of some surfactant copper(II) complexes with tRNA. <i>Monatshfte für Chemie</i> , 2014, 145, 1897-1902.	0.9	3
61	Synthesis, micellization behavior, antimicrobial and intercalative DNA binding of some novel surfactant copper(II) complexes containing modified phenanthroline ligands. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 151-157.	2.5	18
62	Synthesis, Micellization Behaviour, DNA/RNA Binding and Biological Studies of a Surfactant Cobalt(III) Complex With Dipyrido[3,2-a:2'-c](6,7,8,9-tetrahydro)phenazine. <i>Journal of Fluorescence</i> , 2014, 24, 1701-1714.	1.3	8
63	Nucleic acid binding study of surfactant copper(II) complex containing dipyrido[3,2-a:2'-c]phenazine ligand as an intercalator: in vitro antitumor activity of complex in human liver carcinoma (HepG2) cancer cells. <i>RSC Advances</i> , 2014, 4, 56084-56094.	1.7	19