

Srinivasan Kesavan

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

635
citations

516561

16
h-index

677027

22
g-index

22
all docs

22
docs citations

22
times ranked

980
citing authors

#	ARTICLE	IF	CITATIONS
1	Polydopamine@electrochemically reduced graphene oxide-modified electrode for electrochemical detection of free-chlorine. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 818-828.	4.0	78
2	Determination of tetracycline in the presence of major interference in human urine samples using polymelamine/electrochemically reduced graphene oxide modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 455-465.	4.0	55
3	3,5-Diamino-1,2,4-triazole@electrochemically reduced graphene oxide film modified electrode for the electrochemical determination of 4-nitrophenol. <i>Electrochimica Acta</i> , 2017, 246, 1131-1140.	2.6	49
4	Microfluidic Electrochemical Devices for Biosensing. <i>Journal of Analysis and Testing</i> , 2019, 3, 3-18.	2.5	48
5	Real time detection of adenosine and theophylline in urine and blood samples using graphene modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2019, 278, 46-54.	4.0	41
6	Flower-like Bi ₂ S ₃ nanostructures grown on nitrogen-doped reduced graphene oxide for electrochemical determination of hydrogen peroxide. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 361-371.	5.0	38
7	Flower-like Cu _{1.8} S nanostructures for high-performance flexible solid-state supercapacitors. <i>Applied Surface Science</i> , 2018, 448, 547-558.	3.1	34
8	Fabrication of aminotriazole grafted gold nanoparticles films on glassy carbon electrode and its application towards the simultaneous determination of theophylline and uric acid. <i>Sensors and Actuators B: Chemical</i> , 2014, 205, 352-362.	4.0	33
9	Formation of electrochemically reduced graphene oxide on melamine electrografted layers and its application toward the determination of methylxanthines. <i>Analytical Biochemistry</i> , 2016, 496, 14-24.	1.1	28
10	Green preparation of reduced graphene oxide by <i>Bougainvillea glabra</i> flower extract and sensing application. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 14345-14356.	1.1	27
11	Monitoring isoniazid level in human fluids in the presence of theophylline using gold@platinum core@shell nanoparticles modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 157-166.	4.0	26
12	Potentiodynamic formation of gold nanoparticles film on glassy carbon electrode using aminophenyl diazonium cations grafted gold nanoparticles: Determination of histamine H ₂ receptor antagonist. <i>Electrochimica Acta</i> , 2014, 119, 214-224.	2.6	25
13	Fabrication, characterization and application of a grafting based gold nanoparticles electrode for the selective determination of an important neurotransmitter. <i>Journal of Materials Chemistry</i> , 2012, 22, 17560.	6.7	24
14	Stable determination of paracetamol in the presence of uric acid in human urine sample using melamine grafted graphene modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2016, 760, 6-14.	1.9	23
15	Analysis of Moisture Content in Beetroot using Fourier Transform Infrared Spectroscopy and by Principal Component Analysis. <i>Scientific Reports</i> , 2018, 8, 7996.	1.6	18
16	Electrochemically Exfoliated Porous WS ₂ Nanosheets: A Potential Electrochemical Sensing Platform for Chlorpromazine Detection. <i>Journal of the Electrochemical Society</i> , 2019, 166, B749-B755.	1.3	18
17	Spontaneous grafting: A novel approach to graft diazonium cations on gold nanoparticles in aqueous medium and their self-assembly on electrodes. <i>Journal of Colloid and Interface Science</i> , 2014, 428, 84-94.	5.0	16
18	Potentiodynamic formation of diaminobenzene films on an electrochemically reduced graphene oxide surface: Determination of nitrite in water samples. <i>Materials Science and Engineering C</i> , 2018, 85, 97-106.	3.8	16

#	ARTICLE	IF	CITATIONS
19	A novel approach to fabricate stable graphene layers on electrode surfaces using simultaneous electroreduction of diazonium cations and graphene oxide. RSC Advances, 2016, 6, 62876-62883.	1.7	15
20	Formation of heteroaromatic diazonium grafted layers on gold nanoparticles and their electrocatalytic activity towards an important purine derivative. RSC Advances, 2014, 4, 30896.	1.7	9
21	ATR-FTIR as a versatile analytical tool for the rapid determination of storage life of fresh Agaricus bisporus via its moisture content. Postharvest Biology and Technology, 2019, 154, 159-168.	2.9	8
22	Simultaneous determination of neurotransmitters and a neuroprotector in human blood serum and urine samples using a diazonium grafted gold nanoparticle film electrode. Analytical Methods, 2014, 6, 9022-9029.	1.3	6