

Rinky Sha

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

654
citations

16
h-index

25
g-index

30
ext. papers

830
ext. citations

4.6
avg, IF

5.17
L-index

#	Paper	IF	Citations
29	MoS ₂ based ultra-low-cost, flexible, non-enzymatic and non-invasive electrochemical sensor for highly selective detection of Uric acid in human urine samples. <i>Sensors and Actuators B: Chemical</i> , 2019 , 279, 53-60	8.5	108
28	Graphene/Polyaniline composite based ultra-sensitive electrochemical sensor for non-enzymatic detection of urea. <i>Electrochimica Acta</i> , 2017 , 233, 44-51	6.7	89
27	Facile green synthesis of reduced graphene oxide/tin oxide composite for highly selective and ultra-sensitive detection of ascorbic acid. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 816, 30-37	4.1	52
26	Ultra-sensitive phenol sensor based on overcoming surface fouling of reduced graphene oxide-zinc oxide composite electrode. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 785, 26-32	4.1	45
25	MoS ₂ -based nanosensors in biomedical and environmental monitoring applications. <i>Electrochimica Acta</i> , 2020 , 349, 136370	6.7	31
24	Bimetallic Pt-Pd nanostructures supported on MoS as an ultra-high performance electrocatalyst for methanol oxidation and nonenzymatic determination of hydrogen peroxide. <i>Mikrochimica Acta</i> , 2018 , 185, 399	5.8	30
23	Binder free platinum nanoparticles decorated graphene-polyaniline composite film for high performance supercapacitor application. <i>Electrochimica Acta</i> , 2017 , 251, 505-512	6.7	28
22	A Novel Biomass Derived Carbon Quantum Dots for Highly Sensitive and Selective Detection of Hydrazine. <i>Electroanalysis</i> , 2018 , 30, 2228-2232	3	23
21	Amperometric pH Sensor Based on Graphene/Polyaniline Composite. <i>IEEE Sensors Journal</i> , 2017 , 17, 5038-5043	4	23
20	Recent advancements in fabrication of nanomaterial based biosensors for diagnosis of ovarian cancer: a comprehensive review. <i>Mikrochimica Acta</i> , 2020 , 187, 181	5.8	22
19	Controlled synthesis of platinum nanoflowers supported on carbon quantum dots as a highly effective catalyst for methanol electro-oxidation. <i>Surface and Coatings Technology</i> , 2019 , 360, 400-408	4.4	22
18	Disposable, efficient and highly selective electrochemical sensor based on Cadmium oxide nanoparticles decorated screen-printed carbon electrode for ascorbic acid determination in fruit juices. <i>Nano Structures Nano Objects</i> , 2018 , 16, 96-103	5.6	22
17	Template-cum-catalysis free synthesis of MnO ₂ nanorods-hierarchical MoS ₂ microspheres composite for ultra-sensitive and selective determination of nitrite. <i>Journal of Alloys and Compounds</i> , 2019 , 794, 26-34	5.7	20
16	Ultra-Sensitive Non-Enzymatic Ethanol Sensor Based on Reduced Graphene Oxide-Zinc Oxide Composite Modified Electrode. <i>IEEE Sensors Journal</i> , 2018 , 18, 1844-1848	4	20
15	A ruthenium(IV) disulfide based non-enzymatic sensor for selective and sensitive amperometric determination of dopamine. <i>Mikrochimica Acta</i> , 2019 , 186, 480	5.8	19
14	Few layered MoS grown on pencil graphite: a unique single-step approach to fabricate economical, binder-free electrode for supercapacitor applications. <i>Nanotechnology</i> , 2019 , 30, 035402	3.4	16
13	Facile synthesis of three-dimensional platinum nanoflowers decorated reduced graphene oxide: An ultra-high performance electro-catalyst for direct methanol fuel cells. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018 , 231, 115-120	3.1	16

12	Facile synthesis of three-dimensional platinum nanoflowers on reduced graphene oxide / Tin oxide composite: An ultra-high performance catalyst for methanol electro-oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 820, 9-17	4.1	15
11	FeS ₂ Grown Pencil Graphite as an In-expensive and Non-enzymatic Sensor for Sensitive Detection of Uric Acid in Non-invasive Samples. <i>Electroanalysis</i> , 2019 , 31, 2397-2403	3	12
10	Direct growth of FeS ₂ on paper: A flexible, multifunctional platform for ultra-low cost, low power memristor and wearable non-contact breath sensor for activity detection. <i>Materials Science in Semiconductor Processing</i> , 2020 , 108, 104910	4.3	11
9	Graphene-Based Biosensors and Their Applications in Biomedical and Environmental Monitoring. <i>Springer Series on Chemical Sensors and Biosensors</i> , 2017 , 261-290	2	9
8	Emergence of two-dimensional nanomaterials-based breath sensors for non-invasive detection of diseases. <i>Sensors and Actuators A: Physical</i> , 2022 , 338, 113507	3.9	4
7	Ultra-low cost, smart sensor based on pyrite FeS ₂ on cellulose paper for the determination of vital plant hormone methyl jasmonate. <i>Engineering Research Express</i> , 2020 , 2, 025020	0.9	3
6	Review MoSe ₂ Nanostructures and Related Electrodes for Advanced Supercapacitor Developments. <i>Journal of the Electrochemical Society</i> , 2022 , 169, 013503	3.9	3
5	Facile in-situ preparation of few-layered reduced graphene oxide / Niobium pentoxide composite for non-enzymatic glucose monitoring 2018 ,		3
4	Surface engineering of 3D spinel Zn ₃ V ₂ O ₈ wrapped on sulfur doped graphitic nitride composites: Investigation on the dual role of electrocatalyst for simultaneous detection of antibiotic drugs in biological fluids. <i>Composites Part B: Engineering</i> , 2022 , 110017	10	3
3	Flexible 2D Electronics in Sensors and Bioanalytical Applications 2019 , 45-62		2
2	ZnO nano-structured based devices for chemical and optical sensing applications. <i>Sensors and Actuators Reports</i> , 2022 , 100098	4.7	2
1	Study of microwave behaviors of cantilever RF MEMS switch 2014 ,		1