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List of Publications by Year
in descending order

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30 papers	806 citations	623574 14 h-index	501076 28 g-index
30 all docs	30 docs citations	30 times ranked	1103 citing authors

#	Article	IF	Citations
1	Pt-CuO nanoparticles decorated reduced graphene oxide for the fabrication of highly sensitive non-enzymatic disposable glucose sensor. Sensors and Actuators B: Chemical, 2014, 195, 197-205.	4.0	128
2	Development of highly sensitive non-enzymatic sensor for the selective determination of glucose and fabrication of a working model. Electrochimica Acta, 2010, 55, 1612-1618.	2.6	84
3	Fabrication of a disposable non-enzymatic electrochemical creatinine sensor. Sensors and Actuators B: Chemical, 2017, 243, 589-595.	4.0	82
4	Single step synthesis of Auâ€“CuO nanoparticles decorated reduced graphene oxide for high performance disposable nonenzymatic glucose sensor. Journal of Electroanalytical Chemistry, 2015, 743, 1-9.	1.9	65
5	Single step modification of copper electrode for the highly sensitive and selective non-enzymatic determination of glucose. Mikrochimica Acta, 2010, 169, 49-55.	2.5	58
6	Coâ€“Cu alloy nanoparticles decorated TiO2 nanotube arrays for highly sensitive and selective nonenzymatic sensing of glucose. Sensors and Actuators B: Chemical, 2015, 215, 337-344.	4.0	56
7	Highly sensitive and wide-range nonenzymatic disposable glucose sensor based on a screen printed carbon electrode modified with reduced graphene oxide and Pd-CuO nanoparticles. Mikrochimica Acta, 2015, 182, 2183-2192.	2.5	54
8	Au nanoparticles decorated reduced graphene oxide for the fabrication of disposable nonenzymatic hydrogen peroxide sensor. Journal of Electroanalytical Chemistry, 2016, 764, 64-70.	1.9	44
9	Gold nanoparticleâ€“polypyrrole composite modified TiO2 nanotube array electrode for the amperometric sensing of ascorbic acid. Journal of Applied Electrochemistry, 2012, 42, 427-434.	1.5	27
10	Tantalum oxide honeycomb architectures for the development of a non-enzymatic glucose sensor with wide detection range. Biosensors and Bioelectronics, 2013, 50, 472-477.	5.3	27
11	Voltammetric determination of ascorbic acid by using a disposable screen printed electrode modified with Cu(OH)2 nanorods. Mikrochimica Acta, 2017, 184, 3573-3579.	2.5	27
12	Urchin-like fibrous red phosphorus as an efficient photocatalyst for solar-light-driven disinfection of E. coli. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 384, 112034.	2.0	20
13	Gold Nanoparticles Modified Titania Nanotube Arrays for Amperometric Determination of Ascorbic Acid. Analytical Letters, 2010, 43, 2809-2822.	1.0	17
14	Electrodeposition of aluminium and aluminium-copper alloys from a room temperature ionic liquid electrolyte containing aluminium chloride and triethylamine hydrochloride. International Journal of Minerals, Metallurgy and Materials, 2013, 20, 909-916.	2.4	16
15	Computational simulation and fabrication of smooth edged passive micromixers with alternately varying diameter for efficient mixing. Microelectronic Engineering, 2016, 165, 32-40.	1.1	14
16	Highly Sensitive and Wide Range Non-Enzymatic Electrochemical Detection of Cholesterol using Pencil Lead Electrodes. Journal of the Electrochemical Society, 2021, 168, 047515.	1.3	12
17	Sophorolipid induced hydrothermal synthesis of Cu nanowires and its modulating effect on Cu nanostructures. Nano Structures Nano Objects, 2019, 18, 100285.	1.9	10
18	Automated and programmable electromagnetically actuated valves for microfluidic applications. Sensors and Actuators A: Physical, 2018, 283, 79-86.	2.0	9

#	Article	IF	Citations
19	Aggregation induced, formaldehyde tailored nanowire like networks of Cu and their SERS activity. Chemical Physics Letters, 2020, 748, 137390.	1.2	8
20	Complete fabrication of a nonenzymatic glucose sensor with a wide linear range for the direct testing of blood samples. Electrochimica Acta, 2021, 395, 139145.	2.6	8
21	Screen-printed carbon electrode for the electrochemical detection of conjugated bilirubin. Materials Letters, 2021, 304, 130574.	1.3	8
22	Electrochemical synthesis of graphene and its application in electrochemical sensing of glucose. Materials Today: Proceedings, 2018, 5, 16487-16493.	0.9	7
23	Fabrication of Silver Peroxideâ€“ Zinc Rechargeable Battery. Materials Today: Proceedings, 2020, 24, 949-959.	0.9	5
24	Enhancement in mixing efficiency by ridges in straight and meander microchannels. Chemical Engineering and Processing: Process Intensification, 2021, 159, 108217.	1.8	5
25	Highly Sensitive Voltammetric Immunosensing of Cancer Biomarkers HER2 and CA125 Using Gold Nanoparticles Anchored Reduced Graphene Oxide Enzyme-Free Nanolabel. Journal of the Electrochemical Society, 2022, 169, 037526.	1.3	5
26	Design, Simulation and Fabrication of a Normally-Closed Microvalve based on Magnetic Actuation. Materials Today: Proceedings, 2018, 5, 16059-16064.	0.9	4
27	Gold nanoparticle decorated reduced graphene oxide for the nonenzymatic electrochemical sensing of glucose in neutral medium. Materials Today: Proceedings, 2020, 33, 2414-2420.	0.9	4
28	Fabrication of a Configurable Multi-Potentiostat for LOC Applications. Materials Today: Proceedings, 2018, 5, 16732-16739.	0.9	2
29	Design and fabrication of a three layered microfluidic device for lab on a chip applications. Materials Today: Proceedings, 2018, 5, 16286-16292.	0.9	0
30	Fabrication of Paper Microfluidics POCT Device for the Colorimetric Assay of Alkaline Phosphatase. , 2018, , .		0