

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.

82
papers

7,270
citations

43
h-index

84
g-index

84
ext. papers

8,200
ext. citations

7.2
avg, IF

6.38
L-index

#	Paper	IF	Citations
82	Fluorescence based explosive detection: From mechanisms to sensory materials. <i>Chemical Society Reviews</i> , 2015 , 44, 8019-61	58.5	718
81	Electrospun Co ₃ O ₄ nanofibers for sensitive and selective glucose detection. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 542-8	11.8	562
80	Microbial biosensors: a review. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 1788-99	11.8	462
79	Fluorescent carbon dots and their sensing applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 89, 163-180	14.6	409
78	Microbial biosensors. <i>Analytica Chimica Acta</i> , 2006 , 568, 200-10	6.6	353
77	CuO Nanospheres Based Nonenzymatic Glucose Sensor. <i>Electroanalysis</i> , 2008 , 20, 2482-2486	3	279
76	Ultrasensitive and selective non-enzymatic glucose detection using copper nanowires. <i>Biosensors and Bioelectronics</i> , 2012 , 31, 426-32	11.8	241
75	Identification of the Cell-Intrinsic and -Extrinsic Pathways Downstream of EGFR and IFN γ That Induce PD-L1 Expression in Head and Neck Cancer. <i>Cancer Research</i> , 2016 , 76, 1031-43	10.1	193
74	CuO nanowires based sensitive and selective non-enzymatic glucose detection. <i>Sensors and Actuators B: Chemical</i> , 2014 , 191, 86-93	8.5	190
73	Solid-state gas sensors for high temperature applications – a review. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9919-9943	13	169
72	Preparation and characterization of NiO@Ag nanofibers, NiO nanofibers, and porous Ag: towards the development of a highly sensitive and selective non-enzymatic glucose sensor. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9918		164
71	Electrocatalytic oxidation and reduction of H ₂ O ₂ on vertically aligned Co ₃ O ₄ nanowalls electrode: Toward H ₂ O ₂ detection. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 625, 27-32	4.1	163
70	Manganese dioxide as a new cathode catalyst in microbial fuel cells. <i>Journal of Power Sources</i> , 2010 , 195, 2586-2591	8.9	156
69	Novel Signal-Amplifying Fluorescent Nanofibers for Naked-Eye-Based Ultrasensitive Detection of Buried Explosives and Explosive Vapors. <i>Advanced Functional Materials</i> , 2012 , 22, 3547-3555	15.6	152
68	One-pot and ultrafast synthesis of nitrogen and phosphorus co-doped carbon dots possessing bright dual wavelength fluorescence emission. <i>Nanoscale</i> , 2015 , 7, 17278-82	7.7	151
67	Ammonia gas sensors: A comprehensive review. <i>Talanta</i> , 2019 , 204, 713-730	6.2	150
66	PD-1/SHP-2 inhibits Tc1/Th1 phenotypic responses and the activation of T cells in the tumor microenvironment. <i>Cancer Research</i> , 2015 , 75, 508-518	10.1	133

65	Amperometric microbial biosensor for p-nitrophenol using Moraxella sp.-modified carbon paste electrode. <i>Biosensors and Bioelectronics</i> , 2005 , 21, 523-7	11.8	129
64	Ammonia Gas Sensor Using Polypyrrole-Coated TiO ₂ /ZnO Nanofibers. <i>Electroanalysis</i> , 2009 , 21, 1432-1438	13	127
63	Microwave-assisted ultrafast and facile synthesis of fluorescent carbon nanoparticles from a single precursor: preparation, characterization and their application for the highly selective detection of explosive picric acid. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 4161-4171	13	126
62	A novel NiO-Au hybrid nanobelts based sensor for sensitive and selective glucose detection. <i>Biosensors and Bioelectronics</i> , 2011 , 28, 393-8	11.8	122
61	PD-1 Status in CD8 T Cells Associates with Survival and Anti-PD-1 Therapeutic Outcomes in Head and Neck Cancer. <i>Cancer Research</i> , 2017 , 77, 6353-6364	10.1	111
60	Power generation from wastewater using single chamber microbial fuel cells (MFCs) with platinum-free cathodes and pre-colonized anodes. <i>Biochemical Engineering Journal</i> , 2012 , 62, 8-16	4.2	99
59	A highly efficient organophosphorus pesticides sensor based on CuO nanowires@SWCNTs hybrid nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2014 , 199, 410-417	8.5	86
58	Preparation of TiO ₂ -Pt hybrid nanofibers and their application for sensitive hydrazine detection. <i>Nanoscale</i> , 2011 , 3, 1149-57	7.7	83
57	Highly sensitive and selective amperometric microbial biosensor for direct determination of p-nitrophenyl-substituted organophosphate nerve agents. <i>Environmental Science & Technology</i> , 2005 , 39, 8853-7	10.3	82
56	Vertically Aligned CuO Nanowires Based Electrode for Amperometric Detection of Hydrogen Peroxide. <i>Electroanalysis</i> , 2008 , 20, 2153-2157	3	77
55	Microbial fuel cells: the effects of configurations, electrolyte solutions, and electrode materials on power generation. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 160, 168-81	3.2	75
54	Sensitive and selective nonenzymatic glucose detection using functional NiO/Pt hybrid nanofibers. <i>Electrochimica Acta</i> , 2011 , 58, 209-214	6.7	72
53	Platinum-Copper nanotube electrocatalyst with enhanced activity and durability for oxygen reduction reactions. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 12293	13	67
52	Fundamental Study of Electrospun Pyrene-Polyethersulfone Nanofibers Using Mixed Solvents for Sensitive and Selective Explosives Detection in Aqueous Solution. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 13189-97	9.5	64
51	Facile Synthesis of a Platinum Nanoflower Monolayer on a Single-Walled Carbon Nanotube Membrane and Its Application in Glucose Detection. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 18121-18125	3.8	52
50	Telltale tumor infiltrating lymphocytes (TIL) in oral, head & neck cancer. <i>Oral Oncology</i> , 2016 , 61, 159-65	4.4	51
49	Metal oxide based non-enzymatic electrochemical sensors for glucose detection. <i>Electrochimica Acta</i> , 2021 , 370, 137744	6.7	51
48	FRET- and PET-based sensing in a single material: expanding the dynamic range of an ultra-sensitive nitroaromatic explosives assay. <i>Chemical Communications</i> , 2012 , 48, 9903-5	5.8	49

47	Preparation, Characterization and Sensitive Gas Sensing of Conductive Core-sheath TiO ₂ -PEDOT Nanocables. <i>Sensors</i> , 2009 , 9, 6752-63	3.8	49
46	A fluorescent polymer film with self-assembled three-dimensionally ordered nanopores: preparation, characterization and its application for explosives detection. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 14613-14621	13	48
45	Biosensor for direct determination of fenitrothion and EPN using recombinant <i>Pseudomonas putida</i> JS444 with surface-expressed organophosphorous hydrolase. 2. Modified carbon paste electrode. <i>Applied Biochemistry and Biotechnology</i> , 2007 , 136, 243-50	3.2	47
44	CeO ₂ nanofibers for in situ O ₂ and CO sensing in harsh environments. <i>RSC Advances</i> , 2012 , 2, 5193	3.7	45
43	Electricity generation in continuous flow microbial fuel cells (MFCs) with manganese dioxide (MnO ₂) cathodes. <i>Biochemical Engineering Journal</i> , 2011 , 54, 10-15	4.2	44
42	Fabrication and Properties of Conducting Polypyrrole/SWNT-PABS Composite Films and Nanotubes. <i>Electroanalysis</i> , 2006 , 18, 1047-1054	3	44
41	Preparation, characterization and application of novel conductive NiO _x /dO nanofibers with dislocation feature. <i>Journal of Materials Chemistry</i> , 2012 , 22, 980-986		43
40	Direct determination of p-nitrophenyl substituent organophosphorus nerve agents using a recombinant <i>Pseudomonas putida</i> JS444-modified Clark oxygen electrode. <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 524-7	5.7	43
39	Functionalized aligned silver nanorod arrays for glucose sensing through surface enhanced Raman scattering. <i>RSC Advances</i> , 2014 , 4, 23382	3.7	41
38	Nonenzymatic Glucose Sensor Using Freestanding Single-Wall Carbon Nanotube Films. <i>Electrochemical and Solid-State Letters</i> , 2007 , 10, J58		41
37	Electrochemical sensor for detecting pain reliever/fever reducer drug acetaminophen based on electrospun CeBiO nanofibers modified screen-printed electrode. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 143-150	8.5	39
36	Cobalt porphyrin-based material as methanol tolerant cathode in single chamber microbial fuel cells (SCMFCs). <i>Journal of Power Sources</i> , 2014 , 257, 246-253	8.9	39
35	Pt-CeO ₂ nanofibers based high-frequency impedancemetric gas sensor for selective CO and C ₃ H ₈ detection in high-temperature harsh environment. <i>Sensors and Actuators B: Chemical</i> , 2013 , 188, 1141-1147	8.5	39
34	Glucose Biosensor Using Glucose Oxidase and Electrospun Mn ₂ O ₃ -Ag Nanofibers. <i>Electroanalysis</i> , 2011 , 23, 1912-1920	3	38
33	Pt/Au nanocorals, Pt nanofibers and Au microparticles prepared by electrospinning and calcination for nonenzymatic glucose sensing in neutral and alkaline environment. <i>Sensors and Actuators B: Chemical</i> , 2012 , 171-172, 954-961	8.5	37
32	Protein-based sensitive, selective and rapid fluorescence detection of picric acid in aqueous media. <i>Analytical Methods</i> , 2014 , 6, 8464-8468	3.2	36
31	Sensitive and Selective NH ₃ Monitoring at Room Temperature Using ZnO Ceramic Nanofibers Decorated with Poly(styrene sulfonate). <i>Sensors</i> , 2018 , 18,	3.8	32
30	Whole cell-enzyme hybrid amperometric biosensor for direct determination of organophosphorous nerve agents with p-nitrophenyl substituent. <i>Biotechnology and Bioengineering</i> , 2004 , 85, 706-13	4.9	31

29	Improved mechanical and thermal insulation properties of monolithic attapulgite nanofiber/silica aerogel composites dried at ambient pressure. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 82, 702-711	2.3	29
28	Biosensor for Direct Determination of Fenitrothion and EPN Using Recombinant Pseudomonas putida JS444 with Surface Expressed Organophosphorus Hydrolase. 1. Modified Clark Oxygen Electrode. <i>Sensors</i> , 2006 , 6, 466-472	3.8	29
27	Microbial biosensor for p-nitrophenol using Moraxella sp.. <i>Analytica Chimica Acta</i> , 2002 , 470, 79-86	6.6	29
26	A Microbial Biosensor for p-Nitrophenol Using Arthrobacter Sp.. <i>Electroanalysis</i> , 2003 , 15, 1160-1164	3	29
25	High-temperature annealing enabled iridium oxide nanofibers for both non-enzymatic glucose and solid-state pH sensing. <i>Electrochimica Acta</i> , 2018 , 281, 117-126	6.7	25
24	Dual functional rhodium oxide nanocorals enabled sensor for both non-enzymatic glucose and solid-state pH sensing. <i>Biosensors and Bioelectronics</i> , 2018 , 112, 136-142	11.8	23
23	Dynamic "Scanning-Mode" Meniscus Confined Electrodepositing and Micropatterning of Individually Addressable Ultraconductive Copper Line Arrays. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 2380-2387	6.4	21
22	La _{0.67} Sr _{0.33} MnO ₃ nanofibers for in situ, real-time, and stable high temperature oxygen sensing. <i>RSC Advances</i> , 2012 , 2, 3872	3.7	18
21	Controllable Formation of Pyrene (C ₁₆ H ₁₀) Excimers in Polystyrene/Tetrabutylammonium Hexafluorophosphate Films through Solvent Vapor and Temperature Annealing. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 1428-1435	3.8	18
20	Effects of Methanol on Carotenoids as Well as Biomass and Fatty Acid Biosynthesis in B4D1. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	17
19	Tunable p _H transition behaviour of a p-La _{0.67} Sr _{0.33} MnO ₃ /n-CeO ₂ nanofibers heterojunction for the development of selective high temperature propane sensors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11651	13	15
18	Arthrobacter sp. JS443-Based Whole Cell Amperometric Biosensor for p-Nitrophenol. <i>Electroanalysis</i> , 2004 , 16, 2030-2034	3	15
17	Preparation of Quasi-Three-Dimensional Porous Ag and Ag-NiO Nanofibrous Mats for SERS Application. <i>Sensors</i> , 2018 , 18,	3.8	14
16	A flexible and disposable poly(sodium 4-styrenesulfonate)/polyaniline coated glass microfiber paper for sensitive and selective detection of ammonia at room temperature. <i>Synthetic Metals</i> , 2017 , 233, 22-27	3.6	13
15	Super-hydrophobic smart band for buried explosive detection. <i>Sensors and Actuators B: Chemical</i> , 2014 , 195, 52-57	8.5	10
14	Electrospun Ce _{0.1} Ni _{0.9} composite nanofibers for highly selective propane detection at high temperature based on its rapid reaction kinetics. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 14038	13	10
13	Nitrogen-doped Hollow Co ₃ O ₄ Nanofibers for both Solid-state pH Sensing and Improved Non-enzymatic Glucose Sensing. <i>Electroanalysis</i> , 2019 , 31, 678-687	3	10
12	Unique effects of the chain lengths and anions of tetra-alkylammonium salts on quenching pyrene excimer. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 14801-11	9.5	8

11	Discovery of novel inhibitors against main protease (Mpro) of SARS-CoV-2 via virtual screening and biochemical evaluation. <i>Bioorganic Chemistry</i> , 2021 , 110, 104767	5.1	8
10	Using Bayesian Inference Framework towards Identifying Gas Species and Concentration from High Temperature Resistive Sensor Array Data. <i>Journal of Sensors</i> , 2015 , 2015, 1-10	2	7
9	Copper Nanowires-SWCNTs Hybrid Composite for Enhanced Glucose Electrooxidation and Detection in Alkaline Medium. <i>Science of Advanced Materials</i> , 2012 , 4, 825-831	2.3	7
8	Microfabrication of conductive copper patterns by meniscus-confined electrodeposition. <i>Integrated Ferroelectrics</i> , 2018 , 190, 164-172	0.8	4
7	Ensemble-based virtual screening in discovering potent inhibitors targeting Von Hippel-Lindau (VHL) E3 ubiquitin ligase. <i>Life Sciences</i> , 2020 , 262, 118495	6.8	3
6	Which species does the virus like most: Binding modes study between SARS-CoV-2 S protein and ACE2 receptor. <i>Journal of Molecular Graphics and Modelling</i> , 2021 , 105, 107893	2.8	2
5	Fluorescence Quenching Kinetics of Py Excimer in PS Films. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1629, 1		1
4	Observation of premixed flame fronts by laser tomography. <i>Frontiers of Energy and Power Engineering in China</i> , 2008 , 2, 427-432		1
3	Effective Removal of Barrier Layer on the Surface of Low-Nickel Matte in an FeCl ₃ -HCl-H ₂ O Solution. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 1219	2.4	0
2	Carbon Nanodots for Sensor Applications 2016 , 69-102		
1	Experimental study on the dynamic characteristics of a gas turbine combustor burning syn-gas. <i>Journal of Thermal Science</i> , 2004 , 13, 376-381	1.9	