Yu Lei

List of Publications by Year in Descending Order

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	Effective Removal of Barrier Layer on the Surface of Low-Nickel Matte in an FeCl3-HCl-H2O Solution. *Minerals (Basel, Switzerland)*, **2021**, 11, 1219	2.4	0
81	Discovery of novel inhibitors against main protease (Mpro) of SARS-CoV-2 via virtual screening and biochemical evaluation. *Bioorganic Chemistry*, **2021**, 110, 104767	5.1	8
80	Which species does the virus like most: Binding modes study between SARS-CoV-2 S protein and ACE2 receptor. *Journal of Molecular Graphics and Modelling*, **2021**, 105, 107893	2.8	2
79	Metal oxide based non-enzymatic electrochemical sensors for glucose detection. *Electrochimica Acta*, **2021**, 370, 137744	6.7	51
78	Ensemble-based virtual screening in discovering potent inhibitors targeting Von Hippel-Lindau (VHL) E3 ubiquitin ligase. *Life Sciences*, **2020**, 262, 118495	6.8	3
77	Ammonia gas sensors: A comprehensive review. *Talanta*, **2019**, 204, 713-730	6.2	150
76	Effects of Methanol on Carotenoids as Well as Biomass and Fatty Acid Biosynthesis in B4D1. *Applied and Environmental Microbiology*, **2019**, 85,	4.8	17
75	Nitrogen-doped Hollow Co3O4 Nanofibers for both Solid-state pH Sensing and Improved Non-enzymatic Glucose Sensing. *Electroanalysis*, **2019**, 31, 678-687	3	10
74	Dynamic "Scanning-Mode" Meniscus Confined Electrodepositing and Micropatterning of Individually Addressable Ultraconductive Copper Line Arrays. *Journal of Physical Chemistry Letters*, **2018**, 9, 2380-2387	6.4	21
73	Dual functional rhodium oxide nanocorals enabled sensor for both non-enzymatic glucose and solid-state pH sensing. *Biosensors and Bioelectronics*, **2018**, 112, 136-142	11.8	23
72	Electrochemical sensor for detecting pain reliever/fever reducer drug acetaminophen based on electrospun CeBiO nanofibers modified screen-printed electrode. *Sensors and Actuators B: Chemical* , **2018**, 256, 143-150	8.5	39
71	Sensitive and Selective NH□Monitoring at Room Temperature Using ZnO Ceramic Nanofibers Decorated with Poly(styrene sulfonate). *Sensors*, **2018**, 18,	3.8	32
70	High-temperature annealing enabled iridium oxide nanofibers for both non-enzymatic glucose and solid-state pH sensing. *Electrochimica Acta*, **2018**, 281, 117-126	6.7	25
69	Microfabrication of conductive copper patterns by meniscus-confined electrodeposition. *Integrated Ferroelectrics*, **2018**, 190, 164-172	0.8	4
68	Preparation of Quasi-Three-Dimensional Porous Ag and Ag-NiO Nanofibrous Mats for SERS Application. *Sensors*, **2018**, 18,	3.8	14
67	Fluorescent carbon dots and their sensing applications. *TrAC - Trends in Analytical Chemistry*, **2017**, 89, 163-180	14.6	409
66	Improved mechanical and thermal insulation properties of monolithic attapulgite nanofiber/silica aerogel composites dried at ambient pressure. *Journal of Sol-Gel Science and Technology*, **2017**, 82, 702-711	2.3	29

65	A flexible and disposable poly(sodium 4-styrenesulfonate)/polyaniline coated glass microfiber paper for sensitive and selective detection of ammonia at room temperature. *Synthetic Metals*, **2017**, 233, 22-27	3.6	13
64	PD-1 Status in CD8 T Cells Associates with Survival and Anti-PD-1 Therapeutic Outcomes in Head and Neck Cancer. *Cancer Research*, **2017**, 77, 6353-6364	10.1	111
63	Telltale tumor infiltrating lymphocytes (TIL) in oral, head & neck cancer. *Oral Oncology*, **2016**, 61, 159-65	4.4	51
62	Carbon Nanodots for Sensor Applications **2016**, 69-102		
61	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. *Journal of Materials Chemistry A*, **2016**, 4, 4161-4171	13	126
60	Identification of the Cell-Intrinsic and -Extrinsic Pathways Downstream of EGFR and IFN That Induce PD-L1 Expression in Head and Neck Cancer. *Cancer Research*, **2016**, 76, 1031-43	10.1	193
59	Fundamental Study of Electrospun Pyrene-Polyethersulfone Nanofibers Using Mixed Solvents for Sensitive and Selective Explosives Detection in Aqueous Solution. *ACS Applied Materials & Interfaces*, **2015**, 7, 13189-97	9.5	64
58	One-pot and ultrafast synthesis of nitrogen and phosphorus co-doped carbon dots possessing bright dual wavelength fluorescence emission. *Nanoscale*, **2015**, 7, 17278-82	7.7	151
57	Fluorescence based explosive detection: from mechanisms to sensory materials. *Chemical Society Reviews*, **2015**, 44, 8019-61	58.5	718
56	PD-1/SHP-2 inhibits Tc1/Th1 phenotypic responses and the activation of T cells in the tumor microenvironment. *Cancer Research*, **2015**, 75, 508-518	10.1	133
55	Using Bayesian Inference Framework towards Identifying Gas Species and Concentration from High Temperature Resistive Sensor Array Data. *Journal of Sensors*, **2015**, 2015, 1-10	2	7
54	Solid-state gas sensors for high temperature applications a review. *Journal of Materials Chemistry A*, **2014**, 2, 9919-9943	13	169
53	Super-hydrophobic smart sand for buried explosive detection. *Sensors and Actuators B: Chemical*, **2014**, 195, 52-57	8.5	10
52	A highly efficient organophosphorus pesticides sensor based on CuO nanowires WCNTs hybrid nanocomposite. *Sensors and Actuators B: Chemical*, **2014**, 199, 410-417	8.5	86
51	CuO nanowires based sensitive and selective non-enzymatic glucose detection. *Sensors and Actuators B: Chemical*, **2014**, 191, 86-93	8.5	190
50	Electrospun CeNiO composite nanofibers for highly selective propane detection at high temperature based on its rapid reaction kinetics. *Journal of Materials Chemistry A*, **2014**, 2, 14038	13	10
49	A fluorescent polymer film with self-assembled three-dimensionally ordered nanopores: preparation, characterization and its application for explosives detection. *Journal of Materials Chemistry A*, **2014**, 2, 14613-14621	13	48
48	Unique effects of the chain lengths and anions of tetra-alkylammonium salts on quenching pyrene excimer. *ACS Applied Materials & Interfaces*, **2014**, 6, 14801-11	9.5	8

47	Protein-based sensitive, selective and rapid fluorescence detection of picric acid in aqueous media. *Analytical Methods*, **2014**, 6, 8464-8468	3.2	36
46	Cobalt porphyrin-based material as methanol tolerant cathode in single chamber microbial fuel cells (SCMFCs). *Journal of Power Sources*, **2014**, 257, 246-253	8.9	39
45	Tunable p□ transition behaviour of a p-La0.67Sr0.33MnO3/n-CeO2 nanofibers heterojunction for the development of selective high temperature propane sensors. *Journal of Materials Chemistry A*, **2014**, 2, 11651	13	15
44	Functionalized aligned silver nanorod arrays for glucose sensing through surface enhanced Raman scattering. *RSC Advances*, **2014**, 4, 23382	3.7	41
43	Fluorescence Quenching Kinetics of Py Excimer in PS Films. *Materials Research Society Symposia Proceedings*, **2014**, 1629, 1		1
42	Platinum□copper nanotube electrocatalyst with enhanced activity and durability for oxygen reduction reactions. *Journal of Materials Chemistry A*, **2013**, 1, 12293	13	67
41	Pt-CeO2 nanofibers based high-frequency impedancemetric gas sensor for selective CO and C3H8 detection in high-temperature harsh environment. *Sensors and Actuators B: Chemical*, **2013**, 188, 1141-1147	8.5	39
40	Controllable Formation of Pyrene (C16H10) Excimers in Polystyrene/Tetrabutylammonium Hexafluorophosphate Films through Solvent Vapor and Temperature Annealing. *Journal of Physical Chemistry C*, **2013**, 117, 1428-1435	3.8	18
39	Power generation from wastewater using single chamber microbial fuel cells (MFCs) with platinum-free cathodes and pre-colonized anodes. *Biochemical Engineering Journal*, **2012**, 62, 8-16	4.2	99
38	Ultrasensitive and selective non-enzymatic glucose detection using copper nanowires. *Biosensors and Bioelectronics*, **2012**, 31, 426-32	11.8	241
37	Pt□Au nanocorals, Pt nanofibers and Au microparticles prepared by electrospinning and calcination for nonenzymatic glucose sensing in neutral and alkaline environment. *Sensors and Actuators B: Chemical*, **2012**, 171-172, 954-961	8.5	37
36	La0.67Sr0.33MnO3 nanofibers for in situ, real-time, and stable high temperature oxygen sensing. *RSC Advances*, **2012**, 2, 3872	3.7	18
35	Preparation, characterization and application of novel conductive NiO□CdO nanofibers with dislocation feature. *Journal of Materials Chemistry*, **2012**, 22, 980-986		43
34	CeO2 nanofibers for in situ O2 and CO sensing in harsh environments. *RSC Advances*, **2012**, 2, 5193	3.7	45
33	FRET- and PET-based sensing in a single material: expanding the dynamic range of an ultra-sensitive nitroaromatic explosives assay. *Chemical Communications*, **2012**, 48, 9903-5	5.8	49
32	Novel Signal-Amplifying Fluorescent Nanofibers for Naked-Eye-Based Ultrasensitive Detection of Buried Explosives and Explosive Vapors. *Advanced Functional Materials*, **2012**, 22, 3547-3555	15.6	152
31	Copper Nanowires-SWCNTs Hybrid Composite for Enhanced Glucose Electrooxidation and Detection in Alkaline Medium. *Science of Advanced Materials*, **2012**, 4, 825-831	2.3	7
30	Preparation of TiO2-Pt hybrid nanofibers and their application for sensitive hydrazine detection. *Nanoscale*, **2011**, 3, 1149-57	7.7	83

29	Sensitive and selective nonenzymatic glucose detection using functional NiO–Pt hybrid nanofibers. *Electrochimica Acta*, **2011**, 58, 209-214	6.7	72
28	A novel NiO-Au hybrid nanobelts based sensor for sensitive and selective glucose detection. *Biosensors and Bioelectronics*, **2011**, 28, 393-8	11.8	122
27	Glucose Biosensor Using Glucose Oxidase and Electrospun Mn2O3-Ag Nanofibers. *Electroanalysis*, **2011**, 23, 1912-1920	3	38
26	Microbial biosensors: a review. *Biosensors and Bioelectronics*, **2011**, 26, 1788-99	11.8	462
25	Electricity generation in continuous flow microbial fuel cells (MFCs) with manganese dioxide (MnO2) cathodes. *Biochemical Engineering Journal*, **2011**, 54, 10-15	4.2	44
24	Facile Synthesis of a Platinum Nanoflower Monolayer on a Single-Walled Carbon Nanotube Membrane and Its Application in Glucose Detection. *Journal of Physical Chemistry C*, **2010**, 114, 18121-18125	3.8	52
23	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. *Journal of Materials Chemistry*, **2010**, 20, 9918		164
22	Microbial fuel cells: the effects of configurations, electrolyte solutions, and electrode materials on power generation. *Applied Biochemistry and Biotechnology*, **2010**, 160, 168-81	3.2	75
21	Manganese dioxide as a new cathode catalyst in microbial fuel cells. *Journal of Power Sources*, **2010**, 195, 2586-2591	8.9	156
20	Electrospun Co3O4 nanofibers for sensitive and selective glucose detection. *Biosensors and Bioelectronics*, **2010**, 26, 542-8	11.8	562
19	Ammonia Gas Sensor Using Polypyrrole-Coated TiO2/ZnO Nanofibers. *Electroanalysis*, **2009**, 21, 1432-1438	3	127
18	Electrocatalytic oxidation and reduction of H2O2 on vertically aligned Co3O4 nanowalls electrode: Toward H2O2 detection. *Journal of Electroanalytical Chemistry*, **2009**, 625, 27-32	4.1	163
17	Preparation, Characterization and Sensitive Gas Sensing of Conductive Core-sheath TiO(2)-PEDOT Nanocables. *Sensors*, **2009**, 9, 6752-63	3.8	49
16	Observation of premixed flame fronts by laser tomography. *Frontiers of Energy and Power Engineering in China*, **2008**, 2, 427-432		1
15	Vertically Aligned CuO Nanowires Based Electrode for Amperometric Detection of Hydrogen Peroxide. *Electroanalysis*, **2008**, 20, 2153-2157	3	77
14	CuO Nanospheres Based Nonenzymatic Glucose Sensor. *Electroanalysis*, **2008**, 20, 2482-2486	3	279
13	Biosensor for direct determination of fenitrothion and EPN using recombinant Pseudomonas putida JS444 with surface-expressed organophosphorous hydrolase. 2. Modified carbon paste electrode. *Applied Biochemistry and Biotechnology*, **2007**, 136, 243-50	3.2	47
12	Nonenzymatic Glucose Sensor Using Freestanding Single-Wall Carbon Nanotube Films. *Electrochemical and Solid-State Letters*, **2007**, 10, J58		41

11	Fabrication and Properties of Conducting Polypyrrole/SWNT-PABS Composite Films and Nanotubes. *Electroanalysis*, **2006**, 18, 1047-1054	3	44
10	Biosensor for Direct Determination of Fenitrothion and EPN Using Recombinant Pseudomonas putida JS444 with Surface Expressed Organophosphorus Hydrolase. 1. Modified Clark Oxygen Electrode. *Sensors*, **2006**, 6, 466-472	3.8	29
9	Microbial biosensors. *Analytica Chimica Acta*, **2006**, 568, 200-10	6.6	353
8	Direct determination of p-nitrophenyl substituent organophosphorus nerve agents using a recombinant Pseudomonas putida JS444-modified Clark oxygen electrode. *Journal of Agricultural and Food Chemistry*, **2005**, 53, 524-7	5.7	43
7	Highly sensitive and selective amperometric microbial biosensor for direct determination of p-nitrophenyl-substituted organophosphate nerve agents. *Environmental Science & Technology* , **2005**, 39, 8853-7	10.3	82
6	Amperometric microbial biosensor for p-nitrophenol using Moraxella sp.-modified carbon paste electrode. *Biosensors and Bioelectronics*, **2005**, 21, 523-7	11.8	129
5	Experimental study on the dynamic characteristics of a gas turbine combustor burning syn-gas. *Journal of Thermal Science*, **2004**, 13, 376-381	1.9	
4	Whole cell-enzyme hybrid amperometric biosensor for direct determination of organophosphorous nerve agents with p-nitrophenyl substituent. *Biotechnology and Bioengineering*, **2004**, 85, 706-13	4.9	31
3	Arthrobacter sp. JS443-Based Whole Cell Amperometric Biosensor for p-Nitrophenol. *Electroanalysis*, **2004**, 16, 2030-2034	3	15
2	A Microbial Biosensor for p-Nitrophenol Using Arthrobacter Sp.. *Electroanalysis*, **2003**, 15, 1160-1164	3	29
1	Microbial biosensor for p-nitrophenol using Moraxella sp.. *Analytica Chimica Acta*, **2002**, 470, 79-86	6.6	29