Bin Liu

List of Publications by Year
in descending order

24 papers	632 citations	687363 13 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	821 citing authors

#	Article	IF	Citations
1	Regulation between the Delayed Fluorescence and Room-Temperature Phosphorescence of Matrix-Free Carbon Dots with the Position of the Carboxyl Substituent on the Benzene Ring. Journal of Physical Chemistry C, 2022, 126, 3540-3548.	3.1	18
2	CunO/Au heterostructure dendrimer anchored on Cu foam as dual functional catalytic nanozyme for glucose sensing by enzyme mimic cascade reaction. Analytical and Bioanalytical Chemistry, 2022, 414, 4655-4666.	3.7	5
3	Cobalt metal-organic framework modified carbon cloth/paper hybrid electrochemical button-sensor for nonenzymatic glucose diagnostics. Sensors and Actuators B: Chemical, 2021, 329, 129205.	7.8	97
4	Grain-like chiral metal-organic framework/multi-walled carbon nanotube composited electrosensing interface for enantiorecognition of Tryptophan. Journal of Electroanalytical Chemistry, 2021, 886, 115108.	3.8	21
5	Bovine serum albuminâ€coated titanium dioxide modified electrochemical interface for enantioselective discrimination of D/Lâ€aspartic acid. Chirality, 2021, 33, 731-744.	2.6	6
6	L-histidine-regulated zeolitic imidazolate framework modified electrochemical interface for enantioselective determination of L-glutamate. Electrochimica Acta, 2021, 400, 139464.	5.2	10
7	Gold nanodendrite-based differential potential ratiometric sensing strategy for enantioselective recognition of DOPA. Talanta, 2020, 210, 120654.	5.5	12
8	Urchin-Like Chiral Metalâ€“Organic Framework/Reduced Graphene Oxide Nanocomposite for Enantioselective Discrimination of <scp>d</scp>/<scp>l</scp>-Tryptophan. ACS Applied Nano Materials, 2020, 3, 3675-3683.	5.0	35
9	Multifunctional Carbon Dots with Solidâ€“Liquid State Orange Light Emission for Vitamin B12 Sensing, Cellular Imaging, and Red/White Light-Emitting Diodes. ACS Applied Nano Materials, 2020, 3, 7420-7427.	5.0	25
10	Novel Plasmon-Enhanced Fluorescence Sensing Platform Based on rGO/MoS₂ Films for Ultrasensitive Detection of Protamine and Heparin. ACS Sustainable Chemistry and Engineering, 2020, 8, 9988-9997.	6.7	10
11	A label-free â€œSEF-FRETâ€•fluorescent sensing platform for ultrasensitive DNA detection based on AgNPs SAMs. Talanta, 2019, 205, 120072.	5.5	6
12	Differential potential ratiometric sensing platform for enantiorecognition of chiral drugs. Analytical Biochemistry, 2019, 574, 39-45.	2.4	22
13	Enhanced fluorescence based on graphene self-assembled films and highly sensitive sensing for VB₁₂. Journal of Materials Chemistry C, 2018, 6, 4400-4408.	5.5	11
14	Fluorescence enhancement of carbon dots by graphene for highly sensitive detection of tetracycline hydrochloride. RSC Advances, 2018, 8, 26212-26217.	3.6	13
15	Sensitive detection of L-5-hydroxytryptophan based on molecularly imprinted polymers with graphene amplification. Analytical Biochemistry, 2017, 526, 58-65.	2.4	18
16	An <scp>l</scp>-dopa electrochemical sensor based on a graphene doped molecularly imprinted chitosan film. Analytical Methods, 2015, 7, 1387-1394.	2.7	49
17	An extremely sensitive aptasensor based on interfacial energy transfer between QDS SAMs and GO. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 131, 288-293.	3.9	8
18	Xanthine microsensor based on polypyrrole molecularly imprinted film modified carbon fiber microelectrodes. Analytical Biochemistry, 2013, 440, 220-226.	2.4	9

#	Article	IF	Citations
19	Development of a chitosan molecularly imprinted electrochemical sensor for trichlorphon determination. International Journal of Environmental Analytical Chemistry, 2012, 92, 1046-1058.	3.3	9
20	Graphene Doped Molecularly Imprinted Electrochemical Sensor for Uric Acid. Analytical Letters, 2012, 45, 2717-2727.	1.8	25
21	A urea electrochemical sensor based on molecularly imprinted chitosan film doping with CdS quantum dots. Analytical Biochemistry, 2012, 426, 40-46.	2.4	63
22	Dopamine molecularly imprinted electrochemical sensor based on grapheneâ€“chitosan composite. Electrochimica Acta, 2012, 75, 108-114.	5.2	93
23	Metal-Enhanced Fluorescence of Conjugated Polyelectrolytes with Self-Assembled Silver Nanoparticle Platforms. Journal of Physical Chemistry B, 2011, 115, 3281-3288.	2.6	39
24	Preparation and Application of Urea Electrochemical Sensor Based on Chitosan Molecularly Imprinted Films. Electroanalysis, 2011, 23, 1454-1461.	2.9	28