

Bin Liu

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

632
citations

687363

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821
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#	ARTICLE	IF	CITATIONS
1	Cobalt metal-organic framework modified carbon cloth/paper hybrid electrochemical button-sensor for nonenzymatic glucose diagnostics. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129205.	7.8	97
2	Dopamine molecularly imprinted electrochemical sensor based on graphene-chitosan composite. <i>Electrochimica Acta</i> , 2012, 75, 108-114.	5.2	93
3	A urea electrochemical sensor based on molecularly imprinted chitosan film doping with CdS quantum dots. <i>Analytical Biochemistry</i> , 2012, 426, 40-46.	2.4	63
4	An L-dopa electrochemical sensor based on a graphene doped molecularly imprinted chitosan film. <i>Analytical Methods</i> , 2015, 7, 1387-1394.	2.7	49
5	Metal-Enhanced Fluorescence of Conjugated Polyelectrolytes with Self-Assembled Silver Nanoparticle Platforms. <i>Journal of Physical Chemistry B</i> , 2011, 115, 3281-3288.	2.6	39
6	Urchin-Like Chiral Metal-Organic Framework/Reduced Graphene Oxide Nanocomposite for Enantioselective Discrimination of D-Tryptophan. <i>ACS Applied Nano Materials</i> , 2020, 3, 3675-3683.	5.0	35
7	Preparation and Application of Urea Electrochemical Sensor Based on Chitosan Molecularly Imprinted Films. <i>Electroanalysis</i> , 2011, 23, 1454-1461.	2.9	28
8	Graphene Doped Molecularly Imprinted Electrochemical Sensor for Uric Acid. <i>Analytical Letters</i> , 2012, 45, 2717-2727.	1.8	25
9	Multifunctional Carbon Dots with Solid-Liquid State Orange Light Emission for Vitamin B12 Sensing, Cellular Imaging, and Red/White Light-Emitting Diodes. <i>ACS Applied Nano Materials</i> , 2020, 3, 7420-7427.	5.0	25
10	Differential potential ratiometric sensing platform for enantiorecognition of chiral drugs. <i>Analytical Biochemistry</i> , 2019, 574, 39-45.	2.4	22
11	Grain-like chiral metal-organic framework/multi-walled carbon nanotube composited electroensing interface for enantiorecognition of Tryptophan. <i>Journal of Electroanalytical Chemistry</i> , 2021, 886, 115108.	3.8	21
12	Sensitive detection of L-5-hydroxytryptophan based on molecularly imprinted polymers with graphene amplification. <i>Analytical Biochemistry</i> , 2017, 526, 58-65.	2.4	18
13	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. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3540-3548.	3.1	18
14	Fluorescence enhancement of carbon dots by graphene for highly sensitive detection of tetracycline hydrochloride. <i>RSC Advances</i> , 2018, 8, 26212-26217.	3.6	13
15	Gold nanodendrite-based differential potential ratiometric sensing strategy for enantioselective recognition of DOPA. <i>Talanta</i> , 2020, 210, 120654.	5.5	12
16	Enhanced fluorescence based on graphene self-assembled films and highly sensitive sensing for VB ₁₂ . <i>Journal of Materials Chemistry C</i> , 2018, 6, 4400-4408.	5.5	11
17	Novel Plasmon-Enhanced Fluorescence Sensing Platform Based on rGO/MoS ₂ Films for Ultrasensitive Detection of Protamine and Heparin. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9988-9997.	6.7	10
18	L-histidine-regulated zeolitic imidazolate framework modified electrochemical interface for enantioselective determination of L-glutamate. <i>Electrochimica Acta</i> , 2021, 400, 139464.	5.2	10

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19	Development of a chitosan molecularly imprinted electrochemical sensor for trichlorphon determination. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1046-1058.	3.3	9
20	Xanthine microsensor based on polypyrrole molecularly imprinted film modified carbon fiber microelectrodes. <i>Analytical Biochemistry</i> , 2013, 440, 220-226.	2.4	9
21	An extremely sensitive aptasensor based on interfacial energy transfer between QDS SAMs and GO. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 131, 288-293.	3.9	8
22	A label-free α SEF-FRET fluorescent sensing platform for ultrasensitive DNA detection based on AgNPs SAMs. <i>Talanta</i> , 2019, 205, 120072.	5.5	6
23	Bovine serum albumin-coated titanium dioxide modified electrochemical interface for enantioselective discrimination of D/L-aspartic acid. <i>Chirality</i> , 2021, 33, 731-744.	2.6	6
24	CuO/Au heterostructure dendrimer anchored on Cu foam as dual functional catalytic nanozyme for glucose sensing by enzyme mimic cascade reaction. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4655-4666.	3.7	5