

Javad Hassanzadeh

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,641
citations

257450

24
h-index

315739

38
g-index

63
all docs

63
docs citations

63
times ranked

1790
citing authors

#	ARTICLE	IF	CITATIONS
1	Mimetic Ag nanoparticle/Zn-based MOF nanocomposite (AgNPs@ZnMOF) capped with molecularly imprinted polymer for the selective detection of patulin. <i>Talanta</i> , 2018, 179, 710-718.	5.5	139
2	Ultrasensitive chemiluminescent biosensor for the detection of cholesterol based on synergetic peroxidase-like activity of MoS ₂ and graphene quantum dots. <i>Talanta</i> , 2018, 178, 992-1000.	5.5	84
3	Sensitive biosensing of organophosphate pesticides using enzyme mimics of magnetic ZIF-8. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 209, 118-125.	3.9	84
4	A Chemiluminescent Method for the Detection of H ₂ O ₂ and Glucose Based on Intrinsic Peroxidase-Like Activity of WS ₂ Quantum Dots. <i>Molecules</i> , 2019, 24, 689.	3.8	81
5	Metal-Organic Framework Loaded by Rhodamine B As a Novel Chemiluminescence System for the Paper-Based Analytical Devices and Its Application for Total Phenolic Content Determination in Food Samples. <i>Analytical Chemistry</i> , 2019, 91, 10631-10639.	6.5	79
6	Encapsulated cholesterol oxidase in metal-organic framework and biomimetic Ag nanocluster decorated MoS ₂ nanosheets for sensitive detection of cholesterol. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 402-410.	7.8	70
7	Application of surface molecular imprinted magnetic graphene oxide and high performance mimetic behavior of bi-metal ZnCo MOF for determination of atropine in human serum. <i>Talanta</i> , 2019, 201, 286-294.	5.5	57
8	Surface molecular imprinting and powerfully enhanced chemiluminescence emission by Cu nanoclusters/MOF composite for detection of tramadol. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 154-162.	7.8	56
9	MIP-capped terbium MOF-76 for the selective fluorometric detection of cefixime after its preconcentration with magnetic graphene oxide. <i>Sensors and Actuators B: Chemical</i> , 2018, 275, 145-154.	7.8	55
10	Highly sensitive chemiluminescence sensing system for organophosphates using mimic LDH supported ZIF-8 nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2019, 284, 220-227.	7.8	51
11	Surface imprinted CoZn-bimetallic MOFs as selective colorimetric probe: Application for detection of dimethoate. <i>Sensors and Actuators B: Chemical</i> , 2020, 325, 128768.	7.8	51
12	Visual detection of peroxide-based explosives using novel mimetic Ag nanoparticle/ZnMOF nanocomposite. <i>Journal of Hazardous Materials</i> , 2018, 360, 233-242.	12.4	49
13	Specific fluorometric assay for direct determination of amikacin by molecularly imprinting polymer on high fluorescent g-C ₃ N ₄ quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 214, 451-458.	3.9	43
14	Improved peroxidase mimetic activity of a mixture of WS ₂ nanosheets and silver nanoclusters for chemiluminescent quantification of H ₂ O ₂ and glucose. <i>Mikrochimica Acta</i> , 2018, 185, 190.	5.0	39
15	Enhancement of the chemiluminescence of permanganate-formaldehyde system by gold/silver nanoalloys and its application to trace determination of melamine. <i>Mikrochimica Acta</i> , 2011, 175, 47-54.	5.0	37
16	Superior peroxidase mimetic activity of tungsten disulfide nanosheets/silver nanoclusters composite: Colorimetric, fluorometric and electrochemical studies. <i>Journal of Colloid and Interface Science</i> , 2018, 515, 39-49.	9.4	35
17	Synthesis of g-C ₃ N ₄ @CuMOFs nanocomposite with superior peroxidase mimetic activity for the fluorometric measurement of glucose. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 213, 28-36.	3.9	34
18	Sensitive fluorescence and chemiluminescence procedures for methamphetamine detection based on CdS quantum dots. <i>Microchemical Journal</i> , 2017, 132, 371-377.	4.5	33

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19	Mesoporous MIP-capped luminescent MOF as specific and sensitive analytical probe: application for chlorpyrifos. <i>Mikrochimica Acta</i> , 2020, 187, 673.	5.0	31
20	Specific quantification of atropine using molecularly imprinted polymer on graphene quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 205, 614-621.	3.9	30
21	Magnetic zinc based 2D-metal organic framework as an efficient adsorbent for simultaneous determination of fluoroquinolones using 3D printed microchip and liquid chromatography tandem mass spectrometry. <i>Talanta</i> , 2021, 224, 121796.	5.5	30
22	Dual-function 2D cobalt metal-organic framework embedded on paper as a point-of-care diagnostic device: Application for the quantification of glucose. <i>Analytica Chimica Acta</i> , 2020, 1139, 15-26.	5.4	29
23	Determination of cyanide using a chemiluminescence system composed of permanganate, rhodamine B, and gold nanoparticles. <i>Mikrochimica Acta</i> , 2014, 181, 1851-1856.	5.0	28
24	CdSe quantum dots-sensitized chemiluminescence system and quenching effect of gold nanoclusters for cyanide detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 212, 322-329.	3.9	26
25	On paper synthesis of multifunctional CeO ₂ nanoparticles@Fe-MOF composite as a multi-enzyme cascade platform for multiplex colorimetric detection of glucose, fructose, sucrose, and maltose. <i>Biosensors and Bioelectronics</i> , 2022, 207, 114184.	10.1	26
26	Selective chemiluminescence method for the determination of trinitrotoluene based on molecularly imprinted polymer-capped ZnO quantum dots. <i>New Journal of Chemistry</i> , 2017, 41, 10659-10667.	2.8	22
27	Gold nanorods-enhanced rhodamine B-permanganate chemiluminescence and its analytical application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 107, 296-302.	3.9	20
28	A novel and selective multi-emission chemiluminescence system for the quantification of deltamethrin in food samples. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128927.	7.8	20
29	Synthesis of Zn metal-organic framework doped magnetic graphene oxide for preconcentration and extraction of cefixime followed by its measurement using HPLC. <i>Microchemical Journal</i> , 2021, 169, 106537.	4.5	20
30	Potassium permanganate-acridine yellow chemiluminescence system for the determination of fluvoxamine, isoniazid and ceftriaxone. <i>Luminescence</i> , 2014, 29, 1053-1058.	2.9	17
31	Selective Determination of Trinitrotoluene Based on Energy Transfer between Carbon Dots and Gold Nanoparticles. <i>Analytical Sciences</i> , 2016, 32, 193-197.	1.6	15
32	Simultaneous determination of total phenolic acids and total flavonoids in tea and honey samples using an integrated lab on a chip device. <i>Food Chemistry</i> , 2021, 342, 128338.	8.2	15
33	Permanganate-bromide-silver nanoparticles as a new chemiluminescence system and its application to captopril determination. <i>Talanta</i> , 2013, 115, 600-605.	5.5	14
34	Inhibition of rhodamine B-ferricyanide chemiluminescence by Au nanoparticles toward the sensitive determination of mercury (II) ions. <i>Microchemical Journal</i> , 2016, 126, 326-331.	4.5	14
35	Rhodamine B Chemiluminescence Improved by Mimetic AuCu Alloy Nanoclusters and Ultrasensitive Measurement of H ₂ O ₂ , Glucose and Xanthine. <i>Analytical Sciences</i> , 2019, 35, 543-550.	1.6	13
36	On paper synthesis of metal-organic framework as a chemiluminescence enhancer for estimating the total phenolic content of food samples using a smartphone readout. <i>Talanta</i> , 2021, 234, 122648.	5.5	13

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37	Determination of Copper in Water by Ionic Liquid Based Microextraction and Chemiluminescence Detection. <i>Analytical Letters</i> , 2014, 47, 1528-1540.	1.8	12
38	Ultrasensitive determination of mercury(II) using a chemiluminescence system composed of permanganate, rhodamine B and gold nanoprisms. <i>Mikrochimica Acta</i> , 2015, 182, 1635-1642.	5.0	12
39	An efficient chemiluminescence system based on mimic CuMOF/Co3O4 nanoparticles composite for the measurement of glucose and cholesterol. <i>Sensors and Actuators B: Chemical</i> , 2021, 348, 130690.	7.8	12
40	Sensitive and selective determination of fluvoxamine maleate using a sensitive chemiluminescence system based on the alkaline permanganate-Rhodamine B-gold nanoparticles reaction. <i>Luminescence</i> , 2015, 30, 439-443.	2.9	11
41	Graphene quantum dots/bisulfite assisted chemiluminescence of rhodamine B-H2O2 system for sensitive recognition of HCHO. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 402-410.	7.8	11
42	A paper-based chemiluminescence detection device based on S,N-doped carbon quantum dots for the selective and highly sensitive recognition of bendiocarb. <i>Analytical Methods</i> , 2021, 13, 3461-3470.	2.7	11
43	Determination of ethanol using permanganate-CdS quantum dot chemiluminescence system. <i>Luminescence</i> , 2015, 30, 660-667.	2.9	10
44	Ag Nanoparticles-enhanced Fluorescence of Terbium-Deferasirox Complexes for the Highly Sensitive Determination of Deferasirox. <i>Analytical Sciences</i> , 2016, 32, 381-386.	1.6	10
45	Ultrasensitive determination of lead and chromium contamination in well and dam water based on fluorescence quenching of CdS quantum dots. <i>International Nano Letters</i> , 2014, 4, 65-72.	5.0	9
46	Sensitive chemiluminescence determination method for 2,4,6-trinitrotoluene based on the catalytic activity of amine-capped gold nanoparticles. <i>New Journal of Chemistry</i> , 2017, 41, 134-141.	2.8	9
47	Molecularly imprinted polymers on multi-walled carbon nanotubes as an efficient absorbent for preconcentration of morphine and its chemiluminometric determination. <i>RSC Advances</i> , 2016, 6, 93445-93452.	3.6	8
48	Potassium permanganate-glutaraldehyde chemiluminescence system catalyzed by gold nanoprisms toward selective determination of fluoride. <i>Luminescence</i> , 2016, 31, 247-254.	2.9	7
49	A Highly Efficient Chemiluminescence System Based on an Enhancing Effect of Ag Nanoclusters/Graphene Quantum Dots Mixture for Ultrasensitive Detection of Rabeprazole. <i>Analytical Sciences</i> , 2019, 35, 385-391.	1.6	7
50	Ultrasensitive chemiluminescence assay for cimetidine detection based on the synergistic improving effect of Au nanoclusters and graphene quantum dots. <i>Luminescence</i> , 2019, 34, 261-271.	2.9	7
51	Ultrasensitive and Rapid Determination of Folic Acid Using Ag Nanoparticles Enhanced 1, 10-Phenanthroline-Terbium (III) Sensitized Fluorescence. <i>Journal of Fluorescence</i> , 2016, 26, 1875-1883.	2.5	6
52	A graphene quantum dot-assisted morin-KMnO ₄ chemiluminescence system for the precise recognition of cypermethrin. <i>New Journal of Chemistry</i> , 2017, 41, 10668-10676.	2.8	6
53	A handheld 3D-printed microchip for simple integration of the H2O2-producing enzymatic reactions with subsequent chemiluminescence detection: Application for sugars. <i>Food Chemistry</i> , 2022, 383, 132469.	8.2	6
54	Carbon dots-modified paper-based chemiluminescence device for rapid determination of mercury (II) in cosmetics. <i>Luminescence</i> , 2022, 37, 1087-1097.	2.9	5

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55	Preconcentration of codeine in pharmaceutical and human urine samples by multi-walled carbon nanotubes and its spectrophotometric determination. Canadian Journal of Chemistry, 2016, 94, 857-864.	1.1	4
56	Inhibition of Rhodamine B-Ferricyanide Chemiluminescence by Gold Nanoparticles and Sensitive Determination of Hazardous Cyanide. Analytical Sciences, 2016, 32, 317-322.	1.6	4
57	Surfactant-to-Dye Binding Degree Method for the Determination of Morphine Hydrochloride and Codeine Phosphate in Pharmaceuticals. Analytical Letters, 2009, 42, 1539-1551.	1.8	3
58	Surfactant to dye binding degree method for the determination of fluvoxamine maleate and citalopram hydrobromide in pharmaceuticals. Open Chemistry, 2010, 8, 536-542.	1.9	3
59	Highly sensitive determination of copper (II) ions using fluorescence and chemiluminescence emissions of modified CdS quantum dots after its pre-concentration by dispersive liquid-liquid microextraction. Canadian Journal of Chemistry, 2017, 95, 704-709.	1.1	3
60	Nano TiO ₂ Modified Carbon-Ceramic Electrode and Its Application for Electrocatalytic Oxidation of NADH. Journal of the Chinese Chemical Society, 2015, 62, 632-639.	1.4	2
61	AuCu bimetal nanoclusters as high-performance mimics for ultrasensitive recognition of biomolecules. Canadian Journal of Chemistry, 2019, 97, 546-554.	1.1	2
62	Highly Sensitive Determination of Ethylenediaminetetraacetic Acid Using a Permanganate Chemiluminescence System Catalyzed by Gold Nanoparticles. Analytical Sciences, 2015, 31, 751-756.	1.6	1