

# Majid Rezayi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7671636/publications.pdf>

Version: 2024-02-01

88  
papers

2,643  
citations

159525

30  
h-index

223716

46  
g-index

89  
all docs

89  
docs citations

89  
times ranked

3528  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of detection methods for the diagnosis and analysis of highly toxic metal phosphides: A comprehensive and critical review. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 1121-1147.	1.4	2
2	The first diagnostic test for specific detection of <i>Mycobacterium simiae</i> using an electrochemical label-free DNA nanobiosensor. <i>Talanta</i> , 2022, 238, 123049.	2.9	10
3	Fabrication of Novel Potentiometric Sensor for Lead Ion Detection in Blood Samples: Experimental and Theoretical Approaches. <i>Microchemical Journal</i> , 2022, 178, 107383.	2.3	1
4	Sensitive and specific clinically diagnosis of SARS-CoV-2 employing a novel biosensor based on boron nitride quantum dots/flower-like gold nanostructures signal amplification. <i>Biosensors and Bioelectronics</i> , 2022, 207, 114209.	5.3	30
5	Application of a transition metal oxide/carbon-based nanocomposite for designing a molecularly imprinted poly (L-cysteine) electrochemical sensor for curcumin. <i>Food Chemistry</i> , 2022, 386, 132845.	4.2	12
6	PCR-free electrochemical genosensor for <i>Mycobacterium tuberculosis</i> complex detection based on two-dimensional Ti3C2 Mxene-polypyrrole signal amplification. <i>Microchemical Journal</i> , 2022, 179, 107467.	2.3	13
7	Toward Early Diagnosis of Colorectal Cancer: Focus on Optical Nano Biosensors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2022, 22, .	1.1	4
8	Rapid and label-free electrochemical DNA biosensor based on a facile one-step electrochemical synthesis of rGO@PPy@Cys-AuNPs nanocomposite for the HTLV-1 oligonucleotide detection. <i>Biotechnology and Applied Biochemistry</i> , 2021, 68, 626-635.	1.4	16
9	The overview and perspectives of biosensors and <i>Mycobacterium tuberculosis</i> : A systematic review. <i>Journal of Cellular Physiology</i> , 2021, 236, 1730-1750.	2.0	15
10	Association of vitamin D status with liver and kidney disease: A systematic review of clinical trials, and cross-sectional and cohort studies. <i>International Journal for Vitamin and Nutrition Research</i> , 2021, 91, 175-187.	0.6	10
11	Response surface methodology optimized electrochemical DNA biosensor based on HAPNPTs/PPY/MWCNTs nanocomposite for detecting <i>Mycobacterium tuberculosis</i> . <i>Talanta</i> , 2021, 226, 122099.	2.9	37
12	A review of biosensors for the detection of B-type natriuretic peptide as an important cardiovascular biomarker. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5949-5967.	1.9	11
13	Dual-signaling electrochemical ratiometric strategy for simultaneous quantification of anticancer drugs. <i>Talanta</i> , 2021, 234, 122662.	2.9	16
14	An overview and bibliometric analysis on the colorectal cancer therapy by magnetic functionalized nanoparticles for the responsive and targeted drug delivery. <i>Journal of Nanobiotechnology</i> , 2021, 19, 399.	4.2	33
15	A Critical Systematic Review of Developing Aptasensors for Diagnosis and Detection of Diabetes Biomarkers. <i>Critical Reviews in Analytical Chemistry</i> , 2021, , 1-23.	1.8	0
16	Correlation of human papillomavirus 16 and 18 with cervical cancer and their diagnosis methods in Iranian women: A systematic review and meta-analysis. <i>Current Problems in Cancer</i> , 2020, 44, 100493.	1.0	10
17	Exosomes: New insights into cancer mechanisms. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 7-16.	1.2	41
18	Aptamers as potential recognition elements for detection of vitamins and minerals: a systematic and critical review. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2020, 57, 126-144.	2.7	17

#	ARTICLE	IF	CITATIONS
19	Nanotechnology-driven advances in the treatment of diabetic wounds. <i>Biotechnology and Applied Biochemistry</i> , 2020, , .	1.4	7
20	A Novel Electrochemical DNA Biosensor Based on a Gold Nanoparticles-Reduced Graphene Oxide-Polypyrrole Nanocomposite to Detect Human T-Lymphotropic Virus-1. <i>IEEE Sensors Journal</i> , 2020, 20, 10625-10632.	2.4	20
21	Ultra-sensitive molecularly imprinted electrochemical sensor for patulin detection based on a novel assembling strategy using Au@Cu-MOF/N-GQDs. <i>Sensors and Actuators B: Chemical</i> , 2020, 318, 128219.	4.0	121
22	A Novel Electrochemical DNA Biosensor Based on Hydroxyapatite Nanoparticles to Detect BK Polyomavirus in the Urine Samples of Transplant Patients. <i>IEEE Sensors Journal</i> , 2020, 20, 12088-12095.	2.4	9
23	Development of biosensors for detection of alpha-fetoprotein: As a major biomarker for hepatocellular carcinoma. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 130, 115961.	5.8	50
24	Early-stage cervical cancer diagnosis based on an ultra-sensitive electrochemical DNA nanobiosensor for HPV-18 detection in real samples. <i>Journal of Nanobiotechnology</i> , 2020, 18, 11.	4.2	50
25	Conjugates of Curcumin with Graphene and Carbon Nanotubes: A Review on Biomedical Applications. <i>Current Medicinal Chemistry</i> , 2020, 27, 6849-6863.	1.2	11
26	Health Risk Assessment for Human Exposure to Trace Metals and Arsenic via Consumption of Hen Egg Collected from Largest Poultry Industry in Iran. <i>Biological Trace Element Research</i> , 2019, 188, 485-493.	1.9	23
27	Biosynthesis and antibiotic activity of silver nanoparticles using different sources: Glass industrial sewage-adapted <i>Bacillus</i> sp. and herbaceous <i>Amaranthus</i> sp. <i>Biotechnology and Applied Biochemistry</i> , 2019, 66, 900-910.	1.4	7
28	Current status and future prospects of transforming growth factor- $\beta$ 2 as a potential prognostic and therapeutic target in the treatment of breast cancer. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 6962-6971.	1.2	8
29	The role of curcumin and its derivatives in sensory applications. <i>Materials Science and Engineering C</i> , 2019, 103, 109792.	3.8	50
30	MicroRNA-based Biosensors for Early Detection of Cancers. <i>Current Pharmaceutical Design</i> , 2019, 24, 4675-4680.	0.9	19
31	Recent advances in nanotechnology for the treatment of metabolic syndrome. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2019, 13, 1561-1568.	1.8	12
32	Scavenger receptor Class B type I as a potential risk stratification biomarker and therapeutic target in cardiovascular disease. <i>Journal of Cellular Physiology</i> , 2019, 234, 16925-16932.	2.0	17
33	Targeting cancer stem cells as therapeutic approach in the treatment of colorectal cancer. <i>International Journal of Biochemistry and Cell Biology</i> , 2019, 110, 75-83.	1.2	33
34	The West Coast of Peninsular Malaysia. , 2019, , 437-458.		10
35	The effects of vitamin D supplementation on indices of glycemic control in Iranian diabetics: A systematic review and meta-analysis. <i>Complementary Therapies in Clinical Practice</i> , 2019, 34, 294-304.	0.7	16
36	Early detection of cervical cancer based on high-risk HPV DNA-based genosensors: A systematic review. <i>BioFactors</i> , 2019, 45, 101-117.	2.6	41

#	ARTICLE	IF	CITATIONS
37	Gold nanoparticle and polyethylene glycol in neural regeneration in the treatment of neurodegenerative diseases. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 2749-2755.	1.2	35
38	Current approaches for detection of human Tâ€lymphotropic virus Type 1: A systematic review. <i>Journal of Cellular Physiology</i> , 2019, 234, 12433-12441.	2.0	17
39	Highâ€density lipoprotein functionality and breast cancer: A potential therapeutic target. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 5756-5765.	1.2	15
40	Facile and greener hydrothermal honeyâ€based synthesis of Fe <sub>3</sub> O <sub>4</sub> /Au core/shell nanoparticles for drug delivery applications. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 6624-6631.	1.2	14
41	The clinical impact of exosomes in cardiovascular disorders: From basic science to clinical application. <i>Journal of Cellular Physiology</i> , 2019, 234, 12226-12236.	2.0	20
42	Reactive oxygen species in colorectal cancer: The therapeutic impact and its potential roles in tumor progression via perturbation of cellular and physiological dysregulated pathways. <i>Journal of Cellular Physiology</i> , 2019, 234, 10072-10079.	2.0	33
43	A genetic variant in <i>CDKN2A/2B</i> locus was associated with poor prognosis in patients with esophageal squamous cell carcinoma. <i>Journal of Cellular Physiology</i> , 2019, 234, 5070-5076.	2.0	16
44	The Role of microRNAs in the Viral Infections. <i>Current Pharmaceutical Design</i> , 2019, 24, 4659-4667.	0.9	24
45	Therapeutic Potential of Targeting PI3K/AKT Pathway in Treatment of Colorectal Cancer: Rational and Progress. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 2460-2469.	1.2	150
46	A comparison of analytical methods for measuring concentrations of 25-hydroxy vitamin D in biological samples. <i>Analytical Methods</i> , 2018, 10, 5599-5612.	1.3	18
47	Ultrasmall superparamagnetic Fe<sub>3</sub>O<sub>4</sub> nanoparticles: honey-based green and facile synthesis and in vitro viability assay. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 6903-6911.	3.3	46
48	Advancements in electrochemical DNA sensor for detection of human papilloma virus - A review. <i>Analytical Biochemistry</i> , 2018, 556, 136-144.	1.1	33
49	The Response of Macrobenthic Communities to Environmental Variability in Tropical Coastal Waters. <i>Estuaries and Coasts</i> , 2018, 41, 1178-1192.	1.0	5
50	Passive mode-locking at S-band by single-mode thulium-doped fluoride fiber using a thin film PtAg/N-G saturable absorber. <i>Journal of Nanophotonics</i> , 2017, 11, 026008.	0.4	6
51	The status and characteristics of eutrophication in tropical coastal water. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 1086-1103.	1.7	19
52	A New N-Heterocyclic Carbene Ionophore in Plasticizer-free Polypyrrole Membrane for Determining Ag <sup>+</sup> in Tap Water. <i>Electrochimica Acta</i> , 2016, 197, 10-22.	2.6	9
53	An overview of detection techniques for monitoring dioxin-like compounds: latest technique trends and their applications. <i>RSC Advances</i> , 2016, 6, 55415-55429.	1.7	26
54	A novel polymeric membrane sensor for determining titanium (III) in real samples: Experimental, molecular and regression modeling. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 805-813.	4.0	12

#	ARTICLE	IF	CITATIONS
55	Measurements of thermodynamic parameters for complexation between a tetra-aza macrocycle ligand and some metal cations based on conductometric method. Measurement: Journal of the International Measurement Confederation, 2016, 77, 362-372.	2.5	2
56	Synergy Effect of Nanocrystalline Cellulose for the Biosensing Detection of Glucose. Sensors, 2015, 15, 24681-24697.	2.1	77
57	Ecological quality assessment based on macrobenthic assemblages indices along West Port, Malaysia coast. Environmental Earth Sciences, 2015, 74, 1331-1341.	1.3	26
58	A Novel Potentiometric Sensor Based on 1,2-Bis(Na <sup>TM</sup> -benzoylthioureido)benzene and Reduced Graphene Oxide for Determination of Lead (II) Cation in Raw Milk. Electrochimica Acta, 2015, 165, 221-231.	2.6	43
59	Highly Selective Detection of Titanium (III) in Industrial Waste Water Samples Using Meso-octamethylcalix[4]pyrrole-Doped PVC Membrane Ion-Selective Electrode. Electrochimica Acta, 2015, 178, 580-589.	2.6	55
60	Conductometric measurements of complexation study between 4-Isopropylcalix[4]arene and Cr <sup>3+</sup> cation in THF+DMSO binary solvents. Measurement: Journal of the International Measurement Confederation, 2015, 70, 214-224.	2.5	44
61	Integrated ecological risk assessment of dioxin compounds. Environmental Science and Pollution Research, 2015, 22, 11193-11208.	2.7	29
62	A novel method for fabricating Fe <sup>2+</sup> ion selective sensor using polypyrrole and sodium dodecyl sulfate based on carbon screen-printed electrode. Measurement: Journal of the International Measurement Confederation, 2015, 69, 115-125.	2.5	23
63	Cesium selective polymeric membrane sensor based on p-isopropylcalix[6]arene and its application in environmental samples. RSC Advances, 2015, 5, 39209-39217.	1.7	45
64	Dioxin risk assessment: mechanisms of action and possible toxicity in human health. Environmental Science and Pollution Research, 2015, 22, 19434-19450.	2.7	61
65	A novel potentiometric self-plasticizing polypyrrole sensor based on a bidentate bis-NHC ligand for determination of Hg( <sup>scp</sup> ) cation. RSC Advances, 2015, 5, 76263-76274.	1.7	16
66	Potentiometric Chromate Anion Detection Based on Co(SALEN) <sub>2</sub> Ionophore in a PVC-Membrane Sensor. Journal of the Electrochemical Society, 2014, 161, B129-B136.	1.3	13
67	A review of strategies to monitor water and sediment quality for a sustainability assessment of marine environment. Environmental Science and Pollution Research, 2014, 21, 813-833.	2.7	77
68	Risk assessment of polycyclic aromatic hydrocarbons in the West Port semi-enclosed basin (Malaysia). Environmental Earth Sciences, 2014, 71, 4319-4332.	1.3	21
69	Enhanced Photovoltaic Performance of Polymer Hybrid Nanostructure Heterojunction Solar Cells Based on Poly(3-hexylthiophene)/ZnS/ZnO/Reduced Graphene Oxide Shell+Core Nanorod Arrays. Industrial & Engineering Chemistry Research, 2014, 53, 14301-14309.	1.8	20
70	Human health risk of polycyclic aromatic hydrocarbons from consumption of blood cockle and exposure to contaminated sediments and water along the Klang Strait, Malaysia. Marine Pollution Bulletin, 2014, 84, 268-279.	2.3	33
71	Titanium (III) cation selective electrode based on synthesized tris(2pyridyl) methylamine ionophore and its application in water samples. Scientific Reports, 2014, 4, 4664.	1.6	42
72	Polycyclic Aromatic Hydrocarbons in Coastal Sediment of Klang Strait, Malaysia: Distribution Pattern, Risk Assessment and Sources. PLoS ONE, 2014, 9, e94907.	1.1	63

#	ARTICLE	IF	CITATIONS
73	Limit of detection and limit of quantification development procedures for organochlorine pesticides analysis in water and sediment matrices. <i>Chemistry Central Journal</i> , 2013, 7, 63.	2.6	90
74	Heavy metal contamination in water and sediment of the Port Klang coastal area, Selangor, Malaysia. <i>Environmental Earth Sciences</i> , 2013, 69, 2013-2025.	1.3	73
75	Distribution and Contamination of Heavy Metal in the Coastal Sediments of Port Klang, Selangor, Malaysia. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	67
76	Copper-phthalocyanine and nickel nanoparticles as novel cathode catalysts in microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 9533-9540.	3.8	132
77	Potentiometric Urea Biosensor Based on an Immobilised Fullerene-Urease Bio-Conjugate. <i>Sensors</i> , 2013, 13, 16851-16866.	2.1	87
78	Conductance Studies on Complex Formation between c-Methylcalix[4]resorcinarene and Titanium (III) in Acetonitrile-H <sub>2</sub> O Binary Solutions. <i>Molecules</i> , 2013, 18, 12041-12050.	1.7	9
79	Immobilization of Ionophore and Surface Characterization Studies of the Titanium(III) Ion in a PVC-Membrane Sensor. <i>Sensors</i> , 2012, 12, 8806-8814.	2.1	34
80	Semi-empirical study of ortho-cresol photo degradation in manganese-doped zinc oxide nanoparticles suspensions. <i>Chemistry Central Journal</i> , 2012, 6, 88.	2.6	21
81	Interactions between photodegradation components. <i>Chemistry Central Journal</i> , 2012, 6, 100.	2.6	16
82	Immobilization of tris(2 pyridyl) methylamine in a PVC-Membrane Sensor and Characterization of the Membrane Properties. <i>Chemistry Central Journal</i> , 2012, 6, 40.	2.6	35
83	Distribution characteristics and ecological risk of heavy metals in surface sediments of West Port, Malaysia. <i>Environmental Protection Engineering</i> , 2012, 38, .	0.1	8
84	Thermodynamic Study of the Complexation of p-Isopropylcalix[6]arene with Cs <sup>+</sup> Cation in Dimethylsulfoxide-Acetonitrile Binary Media. <i>Molecules</i> , 2011, 16, 8130-8142.	1.7	43
85	A Novel Ion selective Polymeric Membrane Sensor for Determining Thallium(I) With High Selectivity. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011, 17, 012010.	0.3	28
86	Comprehensive experimental and theoretical investigations on chromium (III) trace detection in biological and environmental samples using polymeric membrane sensor. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-16.	1.8	23
87	A PCR-Free Genome Detection of Mycobacterium Tuberculosis Complex in Clinical Samples using MWCNT/PPy/KHApNps Modified Electrochemical Nano-Biosensor. <i>Journal of the Electrochemical Society</i> , 0, , .	1.3	5
88	A new molecularly imprinted polymer electrochemical sensor based on CuCo <sub>2</sub> O <sub>4</sub> /N-doped CNTs/P-doped GO nanocomposite for detection of 25-hydroxyvitamin D <sub>3</sub> in serum samples. <i>Biotechnology and Applied Biochemistry</i> , 0, , .	1.4	2