

# Hossein Ahmadzadeh

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

1,983  
citations

331670

21  
h-index

254184

43  
g-index

56  
all docs

56  
docs citations

56  
times ranked

2634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Artemia Cysts as dynamic biosorbent for efficient and fast uptake of lead ions from contaminated environments. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 6467-6480.	3.5	2
2	Magnetic solid-phase extraction of organophosphorus pesticides from apple juice and environmental water samples using magnetic graphene oxide coated with poly(2-aminoterephthalic acid-co-aniline) nanocomposite as a sorbent. <i>Journal of Separation Science</i> , 2022, , .	2.5	4
3	Correlation of Total Lipid Content of <i>Chlorella vulgaris</i> With the Dynamics of Individual Fatty Acid Growth Rates. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	4
4	Organophosphorus pesticides extraction with polyvinyl alcohol coated magnetic graphene oxide particles and analysis by gas chromatography-mass spectrometry: Application to apple juice and environmental water. <i>Talanta</i> , 2021, 227, 122078.	5.5	43
5	A Mechanically Flexible Superhydrophobic Rock Wool Modified with Reduced Graphene Oxide-Chloroprene Rubber for Oil-Spill Cleanup. <i>Global Challenges</i> , 2021, 5, 2100072.	3.6	4
6	Preparation of monodispersed carbonaceous nanomaterials – A review. <i>Colloids and Interface Science Communications</i> , 2021, 44, 100479.	4.1	2
7	Porous perovskite-lanthanum cobaltite as an efficient cocatalyst in photoelectrocatalytic water oxidation by bismuth doped g-C <sub>3</sub> N <sub>4</sub> . <i>Solar Energy</i> , 2021, 227, 426-437.	6.1	31
8	Microstructural, Thermal and Electrical Properties of Methyl Methacrylate and 1-Hexene Copolymers Made by Dinuclear Ni-Based Catalysts. <i>ChemistrySelect</i> , 2021, 6, 10190-10200.	1.5	0
9	Enhanced electrophoretic separation of proteins by tethered SiO <sub>2</sub> nanoparticles in an SDS-polyacrylamide gel network. <i>Analyst</i> , The, 2020, 145, 415-423.	3.5	10
10	Sample preparation and extraction methods for pesticides in aquatic environments: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 123, 115772.	11.4	120
11	Photoelectrochemical water splitting by engineered multilayer TiO <sub>2</sub> /GQDs photoanode with cascade charge transfer structure. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 123-134.	7.1	35
12	Electrophoretic extraction of highly monodispersed graphene quantum dots from widely polydispersed bulk and its cytotoxicity effect against cancer cells. <i>Microchemical Journal</i> , 2020, 159, 105391.	4.5	5
13	Graphitic carbon nitride nanosheets prepared by electrophoretic size fractionation as an anticancer agent against human bone carcinoma. <i>Materials Science and Engineering C</i> , 2020, 111, 110803.	7.3	20
14	Differential carbon partitioning and fatty acid composition in mixotrophic and autotrophic cultures of a new marine isolate <i>Tetraselmis</i> sp. KY114885. <i>Journal of Applied Phycology</i> , 2019, 31, 201-210.	2.8	21
15	Multipurpose Use of Microalgae to Treat Municipal Wastewater and Produce Biofuels. , 2019, , 313-330.		0
16	Cell Wall Disruption: A Critical Upstream Process for Biofuel Production. , 2019, , 21-35.		12
17	Heat dissipation in slab gel electrophoresis: The effect of embedded TiO <sub>2</sub> nanoparticles on the thermal profiles. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1118-1119, 63-69.	2.3	10
18	Recent Advances in Lipid Extraction for Biodiesel Production. , 2019, , 179-198.		6

#	ARTICLE	IF	CITATIONS
19	Fatty Acid Profiling of Biofuels Produced From Microalgae, Vegetable Oil, and Waste Vegetable Oil. , 2019, , 239-254.		3
20	Production of Microalgae-Derived High-Protein Biomass to Enhance Food for Animal Feedstock and Human Consumption. , 2019, , 393-405.		13
21	Electrophoretic size fractionation of graphene oxide nanosheets. New Journal of Chemistry, 2019, 43, 5047-5054.	2.8	14
22	Algae as a Source of Microcrystalline Cellulose. , 2019, , 331-350.		13
23	Assessment of groundwater quality for the irrigation of melon farms: a comparison between two arable plains in northeastern Iran. Environmental Earth Sciences, 2019, 78, 1.	2.7	7
24	The Use of Microalgae for Coupling Wastewater Treatment With CO <sub>2</sub> Biofixation. Frontiers in Bioengineering and Biotechnology, 2019, 7, 42.	4.1	178
25	Synergistic effect of graphene nanosheets and zinc oxide nanoparticles for effective adsorption of Ni (II) ions from aqueous solutions. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	59
26	Neglected antibacterial activity of ethylene glycol as a common solvent. Microbial Pathogenesis, 2017, 107, 457-461.	2.9	18
27	Use of solvent mixtures for total lipid extraction of <i>Chlorella vulgaris</i> and gas chromatography FAME analysis. Bioprocess and Biosystems Engineering, 2017, 40, 1363-1373.	3.4	27
28	Improving antibacterial activity of phosphomolybdic acid using graphene. Materials Chemistry and Physics, 2017, 188, 58-67.	4.0	37
29	Supercritical carbon dioxide extraction and analysis of lipids from <i>Chlorella vulgaris</i> using gas chromatography. Journal of the Iranian Chemical Society, 2017, 14, 2427-2436.	2.2	5
30	Kinetics and mechanism of antibacterial activity and cytotoxicity of Ag-RGO nanocomposite. Colloids and Surfaces B: Biointerfaces, 2017, 159, 366-374.	5.0	77
31	Potential use of algae for heavy metal bioremediation, a critical review. Journal of Environmental Management, 2016, 181, 817-831.	7.8	394
32	3-D mesoporous nitrogen-doped reduced graphene oxide as an efficient metal-free electrocatalyst for oxygen reduction reaction in alkaline fuel cells: Role of $\pi$ and lone pair electrons. Electrochimica Acta, 2016, 222, 608-618.	5.2	52
33	Bioprocess engineering of microalgae to optimize lipid production through nutrient management. Journal of Applied Phycology, 2016, 28, 3235-3250.	2.8	52
34	Osteoconductive composite graft based on bacterial synthesized hydroxyapatite nanoparticles doped with different ions: From synthesis to in vivo studies. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1387-1395.	3.3	32
35	Nitrate and Nitrite Removal from Wastewater using Algae. Current Biotechnology, 2016, 4, 426-440.	0.4	64
36	Growth of <i>Chlorella vulgaris</i> in High Concentrations of Nitrate and Nitrite for Wastewater Treatment. Current Biotechnology, 2016, 4, 441-447.	0.4	20

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37	CO2 Environmental Bioremediation by Microalgae. <i>Biofuel and Biorefinery Technologies</i> , 2015, , 117-136.	0.3	4
38	Algae-Based Wastewater Treatment for Biofuel Production: Processes, Species, and Extraction Methods. <i>Biofuel and Biorefinery Technologies</i> , 2015, , 95-115.	0.3	10
39	Embedded ceria nanoparticles in gel improve electrophoretic separation: a preliminary demonstration. <i>Analyst, The</i> , 2015, 140, 4434-4444.	3.5	12
40	Graphitic carbon nitride embedded hydrogels for enhanced gel electrophoresis. <i>Analytica Chimica Acta</i> , 2015, 887, 245-252.	5.4	33
41	Improvement of heat dissipation in agarose gel electrophoresis by metal oxide nanoparticles. <i>RSC Advances</i> , 2015, 5, 88655-88665.	3.6	18
42	CO2 bioremediation by microalgae in photobioreactors: Impacts of biomass and CO2 concentrations, light, and temperature. <i>Algal Research</i> , 2014, 6, 78-85.	4.6	99
43	REVISITING ELECTROOSMOTIC FLOW: AN IMPORTANT PARAMETER AFFECTING SEPARATION IN CAPILLARY AND MICROCHIP ELECTROPHORESIS. <i>Chemical Engineering Communications</i> , 2007, 195, 129-146.	2.6	11
44	On-column labeling for capillary electrophoretic analysis of individual mitochondria directly sampled from tissue cross sections. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 169-174.	3.7	18
45	Capillary Electrophoresis Reveals Changes in Individual Mitochondrial Particles Associated With Skeletal Muscle Fiber Type and Age. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006, 61, 1211-1218.	3.6	9
46	Automated analysis of individual particles using a commercial capillary electrophoresis system. <i>Journal of Chromatography A</i> , 2005, 1064, 107-114.	3.7	27
47	On-Column Labeling Reaction for Analysis of Protein Contents of a Single Cell Using Capillary Electrophoresis With Laser-Induced Fluorescence Detection. , 2004, 276, 029-038.		1
48	Direct Sampling from Muscle Cross Sections for Electrophoretic Analysis of Individual Mitochondria. <i>Analytical Chemistry</i> , 2004, 76, 315-321.	6.5	28
49	Asymmetry between Sister Cells in a Cancer Cell Line Revealed by Chemical Cytometry. <i>Analytical Chemistry</i> , 2004, 76, 3864-3866.	6.5	16
50	Capillary Coating for Protein Separation Based on Si-O and Si-C Covalent Bond Formation for Capillary Electrophoresis With Laser-Induced Fluorescence Detection. , 2004, 276, 015-028.		12
51	A multiple-capillary electrophoresis system for small-scale DNA sequencing and analysis. <i>Nucleic Acids Research</i> , 1999, 27, 36e-36.	14.5	57
52	Surface modification based on Si-O and Si-C sublayers and a series of N-substituted acrylamide top-layers for capillary electrophoresis. <i>Electrophoresis</i> , 1998, 19, 1677-1682.	2.4	81
53	Sodium dodecyl sulfate-capillary electrophoresis of proteins in a sieving matrix utilizing two-spectral channel laser-induced fluorescence detection. <i>Electrophoresis</i> , 1998, 19, 2175-2178.	2.4	21
54	Picomolar Assay of Native Proteins by Capillary Electrophoresis Precolumn Labeling, Subcellular Separation, and Laser-Induced Fluorescence Detection. <i>Analytical Chemistry</i> , 1997, 69, 3015-3021.	6.5	132