

Saeed Yousefinejad

List of Publications by Year in descending order

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102
papers

1,773
citations

304743

22
h-index

361022

35
g-index

103
all docs

103
docs citations

103
times ranked

2289
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of nanomaterials in treatment, anti-infection and detection of coronaviruses. <i>Nanomedicine</i> , 2020, 15, 1501-1512.	3.3	119
2	Chemometrics tools in QSAR/QSPR studies: A historical perspective. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 149, 177-204.	3.5	104
3	Multi-walled carbon nanotubes modified with iron oxide and silver nanoparticles (MWCNT-Fe ₃ O ₄ /Ag) as a novel adsorbent for determining PAEs in carbonated soft drinks using magnetic SPE-GC/MS method. <i>Arabian Journal of Chemistry</i> , 2019, 12, 476-488.	4.9	94
4	Low-temperature biosynthesis of silver nanoparticles using mango leaf extract: catalytic effect, antioxidant properties, anticancer activity and application for colorimetric sensing. <i>New Journal of Chemistry</i> , 2018, 42, 15905-15916.	2.8	68
5	Central Composite Design for Optimizing the Biosynthesis of Silver Nanoparticles using Plantago major Extract and Investigating Antibacterial, Antifungal and Antioxidant Activity. <i>Scientific Reports</i> , 2020, 10, 9642.	3.3	58
6	Design of C-dots/Fe ₃ O ₄ magnetic nanocomposite as an efficient new nanozyme and its application for determination of H ₂ O ₂ in nanomolar level. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 691-696.	7.8	57
7	Removal of methylene blue dye from aqueous solutions by natural clinoptilolite and clinoptilolite modified by iron oxide nanoparticles. <i>Molecular Simulation</i> , 2019, 45, 564-571.	2.0	54
8	Controllable phyto-synthesis of cupric oxide nanoparticles by aqueous extract of Capparis spinosa (caper) leaves and application in iron sensing. <i>Microchemical Journal</i> , 2019, 150, 104158.	4.5	39
9	Novel amino acids indices based on quantum topological molecular similarity and their application to QSAR study of peptides. <i>Amino Acids</i> , 2011, 40, 1169-1183.	2.7	36
10	Interaction study of human serum albumin and ZnS nanoparticles using fluorescence spectrometry. <i>Journal of Molecular Structure</i> , 2013, 1037, 317-322.	3.6	36
11	ACE- inhibitory and radical scavenging activities of bioactive peptides obtained from camel milk casein hydrolysis with proteinase K. <i>Dairy Science and Technology</i> , 2016, 96, 489-499.	2.2	36
12	Insights into the molecular interaction between two polyoxygenated cinnamoylcoumarin derivatives and human serum albumin. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10099-10115.	2.8	36
13	Vortex-assisted dispersive liquid-liquid microextraction based on hydrophobic deep eutectic solvent for the simultaneous identification of eight synthetic dyes in jellies and drinks using HPLC-PDA. <i>Microchemical Journal</i> , 2021, 170, 106671.	4.5	36
14	Removal of atrazine from water using titanium dioxide encapsulated in salicylaldehyde NH ₂ MIL-101 (Cr): Adsorption or oxidation mechanism. <i>Journal of Cleaner Production</i> , 2019, 224, 238-245.	9.3	34
15	Enhanced Fenton-like catalytic performance of N-doped graphene quantum dot incorporated CuCo ₂ O ₄ . <i>New Journal of Chemistry</i> , 2018, 42, 9209-9220.	2.8	33
16	Biodegradation of atrazine from wastewater using moving bed biofilm reactor under nitrate-reducing conditions: A kinetic study. <i>Journal of Environmental Management</i> , 2018, 212, 506-513.	7.8	29
17	Studies on influence of process parameters on simultaneous biodegradation of atrazine and nutrients in aquatic environments by a membrane photobioreactor. <i>Environmental Research</i> , 2018, 161, 599-608.	7.5	28
18	Prediction of the acid value, peroxide value and the percentage of some fatty acids in edible oils during long heating time by chemometrics analysis of FTIR-ATR spectra. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 2291-2299.	2.2	26

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19	Simultaneous removal of atrazine and organic matter from wastewater using anaerobic moving bed biofilm reactor: A performance analysis. <i>Journal of Environmental Management</i> , 2018, 209, 515-524.	7.8	25
20	Genotoxicity of inhalational anesthetics and its relationship with the polymorphisms of GSTT1, GSTM1, and GSTP1 genes. <i>Environmental Science and Pollution Research</i> , 2019, 26, 3530-3541.	5.3	25
21	Prediction of $E^{\text{red}}/E^{\text{ox}}$ Polarity Scale of Ionic Liquids Using a QSPR Approach. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 12682-12689.	3.7	24
22	The hierarchy of preventive measures to protect workers against the COVID-19 pandemic: A review. <i>Work</i> , 2020, 67, 1-7.	1.1	24
23	New LSER Model Based on Solvent Empirical Parameters for the Prediction and Description of the Solubility of Buckminsterfullerene in Various Solvents. <i>Journal of Solution Chemistry</i> , 2013, 42, 1620-1632.	1.2	23
24	Quantitative structure-retardation factor relationship of protein amino acids in different solvent mixtures for normal phase thin layer chromatography. <i>Journal of Separation Science</i> , 2015, 38, 1771-1776.	2.5	22
25	Structure-electrochemistry relationship in non-aqueous solutions: Predicting the reduction potential of anthraquinones derivatives in some organic solvents. <i>Journal of Molecular Liquids</i> , 2015, 212, 52-57.	4.9	22
26	Multivariate standard addition method solved by net analyte signal calculation and rank annihilation factor analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1965-1975.	3.7	19
27	New autocorrelation QTMS-based descriptors for use in QSAM of peptides. <i>Journal of the Iranian Chemical Society</i> , 2012, 9, 569-577.	2.2	19
28	A chemometrics approach to predict the dispersibility of graphene in various liquid phases using theoretical descriptors and solvent empirical parameters. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 766-775.	4.7	19
29	Investigating the Electrocoagulation Treatment of Landfill Leachate by Iron/Graphite Electrodes: Process Parameters and Efficacy Assessment. <i>Water (Switzerland)</i> , 2022, 14, 205.	2.7	19
30	Simultaneous spectrophotometric determination of paracetamol and para-aminophenol in pharmaceutical dosage forms using two novel multivariate standard addition methods based on net analyte signal and rank annihilation factor analysis. <i>Drug Testing and Analysis</i> , 2012, 4, 507-514.	2.6	18
31	Heme degradation upon production of endogenous hydrogen peroxide via interaction of hemoglobin with sodium dodecyl sulfate. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 133, 11-17.	3.8	18
32	Linear solvent structure-polymer solubility and solvation energy relationships to study conductive polymer/carbon nanotube composite solutions. <i>RSC Advances</i> , 2015, 5, 42266-42275.	3.6	18
33	On the Solubility of Ferrocene in Nonaqueous Solvents. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 614-621.	1.9	18
34	GC-MS analysis and anti-mosquito activities of <i>Juniperus virginiana</i> essential oil against <i>Anopheles stephensi</i> (Diptera: Culicidae). <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2019, 9, 168.	1.2	18
35	Evaluation of kenaf fibers as moving bed biofilm carriers in algal membrane photobioreactor. <i>Ecotoxicology and Environmental Safety</i> , 2018, 152, 1-7.	6.0	17
36	Quantitative structure-retention relationship for chromatographic behaviour of anthraquinone derivatives through considering organic modifier features in micellar liquid chromatography. <i>Journal of Chromatography A</i> , 2019, 1599, 46-54.	3.7	17

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37	Antioxidant, cytotoxic and catalytic degradation efficiency of controllable phyto-synthesised silver nanoparticles with high stability using <i>Cordia myxa</i> extract. <i>Journal of Experimental Nanoscience</i> , 2019, 14, 141-159.	2.4	17
38	Application of merged spectroscopic data combined with chemometric analysis for resolution of hemoglobin intermediates during chemical unfolding. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1974-1981.	3.9	16
39	Design, synthesis, activity evaluation and QSAR studies of novel antimalarial 1,2,3-triazolo- β -lactam derivatives. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 1311-1326.	2.2	16
40	Ventilatory disorders associated with occupational inhalation exposure to nitrogen trihydride (ammonia). <i>Industrial Health</i> , 2018, 56, 427-435.	1.0	16
41	First molecular-based detection of SARS-CoV-2 virus in the field-collected houseflies. <i>Scientific Reports</i> , 2021, 11, 13884.	3.3	14
42	Design of an optical sensor for the determination of cysteine based on the spectrophotometric method in a triacetylcellulose film: PC-ANN application. <i>Analytical Methods</i> , 2014, 6, 8482-8487.	2.7	13
43	Preparation of epoxidized soybean oil-grafted Fe ₃ O ₄ @SiO ₂ as a water-dispersible hydrophobic nanocomposite for solid-phase extraction of rhodamine B. <i>Microchemical Journal</i> , 2016, 129, 236-242.	4.5	13
44	Application of ATR-FTIR spectroscopy and chemometrics for the discrimination of furnace oil, gas oil and mazut oil. <i>Analytical Methods</i> , 2016, 8, 4640-4647.	2.7	13
45	Response surface approach for isocratic separation of some natural anthraquinone dyes by micellar liquid chromatography. <i>Journal of Molecular Liquids</i> , 2017, 242, 1058-1065.	4.9	13
46	Highly efficient catalytic degradation of p-nitrophenol by Mn ₃ O ₄ .CuO nanocomposite as a heterogeneous fenton-like catalyst. <i>Journal of Experimental Nanoscience</i> , 2020, 15, 322-336.	2.4	13
47	Effects of Low-level Occupational Exposure to Ammonia on Hematological Parameters and Kidney Function. <i>International Journal of Occupational and Environmental Medicine</i> , 2019, 10, 80-88.	4.2	13
48	Quantitative structure-activity relationship to predict the anti-malarial activity in a set of new imidazolopiperazines based on artificial neural networks. <i>Malaria Journal</i> , 2019, 18, 310.	2.3	12
49	Catalytic ozonation process using CuO/clinoptilolite zeolite for the removal of formaldehyde from the air stream. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 6629-6636.	3.5	12
50	Association between genotoxic properties of inhalation anesthetics and oxidative stress biomarkers. <i>Toxicology and Industrial Health</i> , 2020, 36, 454-466.	1.4	12
51	Photocatalytic degradation of 2,4-dichlorophenoxyacetic acid from aqueous solutions by Ag ₃ PO ₄ /TiO ₂ nanoparticles under visible light: kinetic and thermodynamic studies. <i>Water Science and Technology</i> , 2021, 83, 3110-3122.	2.5	12
52	MCR-NAS: A combined hard-soft multivariate curve resolution method based on net analyte signal concept for modeling kinetic data with inert interference and baseline drift. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009, 98, 78-87.	3.5	11
53	Quantitative sequence-activity modeling of antimicrobial hexapeptides using a segmented principal component strategy: an approach to describe and predict activities of peptide drugs containing l/d and unnatural residues. <i>Amino Acids</i> , 2015, 47, 125-134.	2.7	11
54	Ionic liquids in biological monitoring for exposure assessments. <i>Journal of Molecular Liquids</i> , 2021, 344, 117732.	4.9	11

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55	Vitamin E induces regular structure and stability of human insulin, more intense than vitamin D3. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 868-878.	7.5	10
56	Quantitative sequence-activity modeling of ACE peptide originated from milk using ACCâ€“QTMS amino acid indices. <i>Amino Acids</i> , 2019, 51, 1209-1220.	2.7	10
57	Inâ€“syringe ionic liquidâ€“dispersive liquidâ€“liquid microextraction coupled with HPLC for the determination of trans,transâ€“muconic acid in human urine sample. <i>Journal of Separation Science</i> , 2021, 44, 3126-3136.	2.5	10
58	Early, Subclinical Hematological Changes Associated with Occupational Exposure to High Levels of Nitrous Oxide. <i>Toxics</i> , 2018, 6, 70.	3.7	9
59	Assessment of respiratory exposure to cypermethrin among farmers and farm workers of Shiraz, Iran. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 187.	2.7	9
60	Toxic responses of the liver and kidneys following occupational exposure to anesthetic gases. <i>EXCLI Journal</i> , 2020, 19, 418-429.	0.7	9
61	New relationship models for solventâ€“pyrene solubility based on molecular structure and empirical properties. <i>New Journal of Chemistry</i> , 2016, 40, 10197-10207.	2.8	8
62	Evaluation of long-heating kinetic process of edible oils using ATRâ€“FTIR and chemometrics tools. <i>Journal of Food Science and Technology</i> , 2017, 54, 659-668.	2.8	8
63	Quantitative structural modeling on the wavelength interval (λ_{em}) in synchronous fluorescence spectroscopy. <i>Journal of Molecular Structure</i> , 2017, 1148, 101-110.	3.6	8
64	Comparison between the gas-liquid solubility of methanol and ethanol in different organic phases using structural properties of solvents. <i>Journal of Molecular Liquids</i> , 2017, 241, 861-869.	4.9	8
65	Excitation- emission matrix fluorescence spectroscopy combined with three-way chemometrics analysis to follow denatured states of secondary structure of bovine serum albumin. <i>Journal of Luminescence</i> , 2018, 203, 90-99.	3.1	8
66	Photocatalytic degradation ofalachlor by TiO ₂ nanoparticles from aqueous solutions under UV radiation. <i>Journal of Experimental Nanoscience</i> , 2019, 14, 116-128.	2.4	8
67	Feasibility of replacing homemade solutions by commercial products for qualitative fit testing of particulate respirators: a mixed effect logistic regression study. <i>MethodsX</i> , 2019, 6, 1313-1322.	1.6	8
68	Solidified floating organic droplet microextraction coupled with HPLC for rapid determination of trans, trans muconic acid in benzene biomonitoring. <i>Scientific Reports</i> , 2021, 11, 15751.	3.3	8
69	Rapid and efficient colorimetric sensing of clindamycin and Fe ³⁺ using controllable phyto-synthesized silver/silver chloride nanoparticles by <i>Syzygium cumini</i> fruit extract. <i>Journal of Analytical Science and Technology</i> , 2022, 13, .	2.1	8
70	Electro Fenton process catalyzed by Fe@Fe ₂ O ₃ nanowire for degradation of carbamazepine from aqueous solutions. , 0, 162, 44-59.		7
71	An efficient removal of methylene blue and lead(II) from aqueous solutions by green synthesized iron oxide/pillared bentonite nanocomposite. <i>Materials Chemistry and Physics</i> , 2022, 287, 126266.	4.0	7
72	Hydrophobic behavior, ROS production, and heme degradation of hemoglobin upon interaction with n-alkyl sulfates. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 2103-2111.	2.2	6

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73	Comparison of different carbon nanostructures influence on potentiometric performance of carbon paste electrode. Russian Journal of Electrochemistry, 2016, 52, 955-959.	0.9	6
74	Investigation of the effective parameters on the gas-solvent partition coefficient of trans -stilbene using solvent-solubility approaches. Journal of Molecular Liquids, 2017, 231, 263-271.	4.9	6
75	Investigation and Modeling of the Solubility of Anthracene in Organic Phases. Journal of Solution Chemistry, 2017, 46, 352-373.	1.2	6
76	Assessment of aloe vera for qualitative fit testing of particulate respirators: a logistic regression approach. Industrial Health, 2020, 58, 46-53.	1.0	6
77	Structure-solubility and solvation energy relationships for propanol in different solvents using structural and empirical scales. Journal of the Chinese Chemical Society, 2021, 68, 1604.	1.4	6
78	Biological evaluation of 9-(1H-Indol-3-yl) xanthen-4-(9H)-ones derivatives as noncompetitive β -glucosidase inhibitors: kinetics and molecular mechanisms. Structural Chemistry, 2019, 30, 703-714.	2.0	5
79	Improvement of performance and function in respiratory protection equipment using nanomaterials. Journal of Nanoparticle Research, 2022, 24, 76.	1.9	5
80	Investigation of some effective factors on urinary metabolites in biological monitoring of benzene, toluene, and xylene compounds. International Journal of Environmental Analytical Chemistry, 0, , 1-16.	3.3	5
81	Classification of Edible Oils Based on ATR-FTIR Spectral Information During a Long Heating Treatment. Journal of AOAC INTERNATIONAL, 2017, 100, 351-358.	1.5	4
82	Bioremediation and microbial degradation of benzo[a]pyrene in aquatic environments: a systematic review. International Journal of Environmental Analytical Chemistry, 2020, , 1-16.	3.3	4
83	Removal of metformin from aqueous solution using Fe ³⁺ doped TiO ₂ nanoparticles under UV irradiation. , 0, 236, 182-189.		4
84	UV DETERMINATION OF EPINEPHRINE, URIC ACID, AND ACETAMINOPHEN IN PHARMACEUTICAL FORMULATIONS AND SOME HUMAN BODY FLUIDS USING MULTIVARIATE CALIBRATION. Quimica Nova, 2014, , .	0.3	3
85	Toxic effects of subacute inhalation exposure to trichloroethylene on serum lipid profile, glucose and biochemical parameters in Sprague-Dawley rats. Inhalation Toxicology, 2018, 30, 354-360.	1.6	3
86	Solvent property-ion conductivity relationship for lithium, sodium and potassium ions in non-aqueous solvents using QSER. Journal of Molecular Liquids, 2019, 277, 705-713.	4.9	3
87	Structure-retardation factor relationship of natural amino acids in two different mobile phases of RP-TLC. Journal of Liquid Chromatography and Related Technologies, 2020, 43, 580-588.	1.0	3
88	Comparison of sampling and spectrophotometric determination of ammonia using nesslerization with standard ion chromatography in air monitoring of workplaces. International Journal of Environmental Analytical Chemistry, 2023, 103, 1724-1732.	3.3	3
89	Inhalation health risk assessment of occupational exposure to cypermethrin in farmers. International Journal of Environmental Analytical Chemistry, 0, , 1-11.	3.3	3
90	Controllable phyto-synthesised copper nanoparticles for antioxidant and label-free colorimetric iron detection purposes. International Journal of Environmental Analytical Chemistry, 0, , 1-19.	3.3	3

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91	Carbon nanomaterials as promising substrates in the design of sensors for SARS-CoV-2 and new emerging viral infections. <i>Nanomedicine</i> , 2021, 16, 2033-2037.	3.3	3
92	Toxicological Effects of Inhalation Exposure to Trichloroethylene on Serum Immunoglobulin and Electrolyte Levels in Rats. <i>Health Scope</i> , 2019, 8, .	0.6	3
93	Evaluating the effects of dark chocolate formulated with microencapsulated fermented garlic extract on cardio-metabolic indices in hypertensive patients: A crossover, triple-blind placebo-controlled randomized clinical trial. <i>Phytotherapy Research</i> , 2022, , .	5.8	3
94	Deconvolution and binding study of camel and human serum albumins upon interaction with sodium dodecyl sulphate. <i>Journal of the Iranian Chemical Society</i> , 2014, 11, 1449-1457.	2.2	2
95	Classification of methamphetamine seized in different regions of Iran using GC-MS and chemometrics. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 163-170.	2.2	2
96	Prediction of different antibacterial activity in a new set of formyl hydroxyamino derivatives with potent action on peptide deformylase using structural information. <i>Structural Chemistry</i> , 2019, 30, 925-936.	2.0	2
97	Structure-electrochemistry relationship for monovalent alkaline metals in non-aqueous solutions. <i>Physics and Chemistry of Liquids</i> , 2019, 57, 600-620.	1.2	1
98	Prediction of retardation factor of protein amino acids in reversed phase TLC and ethanol-sodium azide solution as the mobile phase using QSRR. <i>Journal of the Serbian Chemical Society</i> , 2021, 86, 381-391.	0.8	1
99	QSAR analysis of the acetylcholinesterase inhibitory activity of some tertiary amine derivatives of cinnamic acid. <i>Structural Chemistry</i> , 2021, 32, 1123-1132.	2.0	1
100	High performance nanozymatic assay-based CuO nanocluster supported by reduced graphene oxide for determination of hydrogen peroxide and ascorbic acid. <i>Process Biochemistry</i> , 2021, 111, 256-261.	3.7	1
101	Hemato-Biochemical Responses Of Rats Co-Exposed To Heat Stress And Trichloroethylene Vapors. <i>Russian Open Medical Journal</i> , 2021, 10, .	0.3	1
102	Removal of benzo [a]pyrene vapours from the air stream using the two-phase partitioning bioscrubber: an intervention study. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, , 1-15.	3.3	0