

Jafar Soleymani

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

1,793
citations

218677

26
h-index

315739

38
g-index

91
all docs

91
docs citations

91
times ranked

1651
citing authors

#	ARTICLE	IF	CITATIONS
1	Co-delivery of curcumin and Bcl-2 siRNA by PAMAM dendrimers for enhancement of the therapeutic efficacy in HeLa cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110762.	5.0	90
2	A new kineticâ€mechanistic approach to elucidate electrooxidation of doxorubicin hydrochloride in unprocessed human fluids using magnetic graphene based nanocomposite modified glassy carbon electrode. <i>Materials Science and Engineering C</i> , 2016, 61, 638-650.	7.3	86
3	Targeting and sensing of some cancer cells using folate bioreceptor functionalized nitrogen-doped graphene quantum dots. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1021-1034.	7.5	82
4	Dendrimer-encapsulated and cored metal nanoparticles for electrochemical nanobiosensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 53, 137-149.	11.4	68
5	Probing the specific binding of folic acid to folate receptor using amino-functionalized mesoporous silica nanoparticles for differentiation of MCF 7 tumoral cells from MCF 10A. <i>Biosensors and Bioelectronics</i> , 2018, 115, 61-69.	10.1	66
6	Highly sensitive and specific cytosensing of HT 29 colorectal cancer cells using folic acid functionalized-KCC-1 nanoparticles. <i>Biosensors and Bioelectronics</i> , 2019, 132, 122-131.	10.1	66
7	Solubility Prediction of Drugs in Mixed Solvents Using Partial Solubility Parameters. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 4368-4382.	3.3	53
8	Electrochemical sensing of doxorubicin in unprocessed whole blood, cell lysate, and human plasma samples using thin film of poly-arginine modified glassy carbon electrode. <i>Materials Science and Engineering C</i> , 2017, 77, 790-802.	7.3	52
9	A novel paper based immunoassay of breast cancer specific carbohydrate (CA 15.3) using silver nanoparticles-reduced graphene oxide nano-ink technology: A new platform to construction of microfluidic paper-based analytical devices (Î¼PADs) towards biomedical analysis. <i>Microchemical Journal</i> , 2019, 146, 345-358.	4.5	52
10	Determination of aflatoxin M1 using an aptamer-based biosensor immobilized on the surface of dendritic fibrous nano-silica functionalized by amine groups. <i>Analytical Methods</i> , 2019, 11, 3910-3919.	2.7	40
11	Spectrofluorimetric determination of folic acid in tablets and urine samples using 1,10â€phenanthrolineâ€terbium probe. <i>Luminescence</i> , 2011, 26, 106-111.	2.9	39
12	Mathematical Representation of Viscosity of Ionic Liquid + Molecular Solvent Mixtures at Various Temperatures Using the Jouybanâ€Acree Model. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 1523-1528.	1.9	35
13	Ultrasensitive immunoassay of tumor protein CA 15.3 in MCF-7 breast cancer cell lysates and unprocessed human plasma using gold nanoparticles doped on the structure of mesoporous silica. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 2493-2508.	7.5	35
14	Solubility Determination of Tris(hydroxymethyl)aminomethane in Water + Methanol Mixtures at Various Temperatures Using a Laser Monitoring Technique. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 2305-2309.	1.9	34
15	Materials and methods of signal enhancement for spectroscopic whole blood analysis: Novel research overview. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 86, 122-142.	11.4	34
16	Applications of magnetic materials in the fabrication of microfluidic-based sensing systems: Recent advances. <i>Microchemical Journal</i> , 2022, 173, 107042.	4.5	34
17	The role of nanomaterials on the cancer cells sensing based on folate receptor: Analytical approach. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 125, 115834.	11.4	33
18	Carbon-based aerogels for biomedical sensing: Advances toward designing the ideal sensor. <i>Advances in Colloid and Interface Science</i> , 2021, 298, 102550.	14.7	33

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19	Probing the antigen-antibody interaction towards ultrasensitive recognition of cancer biomarker in adenocarcinoma cell lysates using layer-by-layer assembled silver nano-cubics with porous structure on cysteamine capped GQDs. <i>Microchemical Journal</i> , 2018, 143, 379-392.	4.5	32
20	Ultrasensitive immunoassay of breast cancer type 1 susceptibility protein (BRCA1) using poly (dopamine-beta cyclodextrine-Cetyl trimethylammonium bromide) doped with silver nanoparticles: A new platform in early stage diagnosis of breast cancer and efficient management. <i>Microchemical Journal</i> , 2019, 145, 778-783.	4.5	32
21	Application of bioactive cyclic oligosaccharide on the detection of doxorubicin hydrochloride in unprocessed human plasma sample: A new platform towards efficient chemotherapy. <i>Microchemical Journal</i> , 2019, 145, 450-455.	4.5	32
22	Spectrofluorimetric cytosensing of colorectal cancer cells using terbium-doped dendritic fibrous nano-silica functionalized by folic acid: A novel optical cytosensor for cancer detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 180, 113077.	2.8	32
23	Advanced materials for optical sensing and biosensing of neurotransmitters. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 72, 27-44.	11.4	31
24	Breathomics: Review of Sample Collection and Analysis, Data Modeling and Clinical Applications. <i>Critical Reviews in Analytical Chemistry</i> , 2022, 52, 1461-1487.	3.5	30
25	Optical immunosensing of effective cardiac biomarkers on acute myocardial infarction. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 51, 158-168.	11.4	29
26	Iron oxide magnetic nanoparticles supported on amino propyl functionalized KCCl as robust recyclable catalyst for one pot and green synthesis of tetrahydrodipyrzolo-pyridines and cytotoxicity evaluation. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5440.	3.5	28
27	Determination of deferiprone in urine and serum using a terbium sensitized luminescence method. <i>Luminescence</i> , 2012, 27, 268-273.	2.9	27
28	Advanced nanomaterials towards biosensing of insulin: Analytical approaches. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 116, 1-12.	11.4	25
29	The trends in nanomaterial-based biosensors for detecting critical biomarkers in stroke. <i>Clinica Chimica Acta</i> , 2021, 514, 107-121.	1.1	24
30	Sensing and bioimaging of lead ions in intracellular cancer cells and biomedical media using amine-functionalized silicon quantum dots fluorescent probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 256, 119747.	3.9	23
31	Were magnetic materials useful in cancer therapy?. <i>Biomedicine and Pharmacotherapy</i> , 2021, 144, 112321.	5.6	22
32	Solubility of ranitidine hydrochloride in solvent mixtures of PEG 200, PEG 400, ethanol and propylene glycol at 25°C. <i>Journal of Molecular Liquids</i> , 2013, 182, 91-94.	4.9	21
33	Multi-spectroscopic, thermodynamic and molecular docking insights into interaction of bovine serum albumin with calcium lactate. <i>Microchemical Journal</i> , 2020, 154, 104580.	4.5	21
34	Differentiation and targeting of HT 29 cancer cells based on folate bioreceptor using cysteamine functionalized gold nano-leaf. <i>Materials Science and Engineering C</i> , 2020, 107, 110320.	7.3	20
35	Rational design of smart nano-platforms based on antifouling-nanomaterials toward multifunctional bioanalysis. <i>Advances in Colloid and Interface Science</i> , 2022, 302, 102637.	14.7	20
36	Solubility of Ketoconazole in Polyethylene Glycol 200+Water Mixtures at 298.2-318.2K. <i>Journal of Solution Chemistry</i> , 2014, 43, 950-958.	1.2	19

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37	Solubility of Etoricoxib in Aqueous Solutions of Glycerin, Methanol, Polyethylene Glycols 200, 400, 600, and Propylene Glycol at 298.2 K. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 321-330.	1.9	19
38	Low potential detection of doxorubicin using a sensitive electrochemical sensor based on glassy carbon electrode modified with silver nanoparticles-supported poly(chitosan): A new platform in pharmaceutical analysis. <i>Microchemical Journal</i> , 2021, 165, 106101.	4.5	19
39	KCC-1/Pr-SO ₃ H: an efficient heterogeneous catalyst for green and one-pot synthesis of 2,3-dihydroquinazolin-4(1H)-one. <i>Nanocomposites</i> , 2020, 6, 31-40.	4.2	18
40	Solubilization of lamotrigine using Tween 80 and ethylene glycol or propylene glycol. <i>Journal of Molecular Liquids</i> , 2017, 236, 249-253.	4.9	17
41	Nanomaterials based optical biosensing of hepatitis: Recent analytical advancements. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 107, 169-180.	11.4	17
42	Determination of morphine and oxycodone in exhaled breath condensate samples: Application of microwave enhanced three-component deep eutectic solvent-based air-assisted liquid-liquid microextraction and derivatization prior to gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1152, 122256.	2.3	17
43	Glycoprotein-based bioimaging of HeLa cancer cells by folate receptor and folate decorated graphene quantum dots. <i>Microchemical Journal</i> , 2021, 170, 106732.	4.5	17
44	Solubility of Sodium Acetate in Binary Mixtures of Methanol, 1-Propanol, Acetonitrile, and Water at 298.2 K. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 3399-3404.	1.9	13
45	Quantification of methotrexate in plasma samples using highly fluorescent nanoparticles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 214, 114716.	2.8	13
46	Determination of methotrexate in biological fluids and a parenteral injection using terbium-sensitized method. <i>Iranian Journal of Pharmaceutical Research</i> , 2011, 10, 695-704.	0.5	12
47	Solubility of Tris(hydroxymethyl)aminomethane in Water + 1-Propanol Mixtures at Various Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 3723-3727.	1.9	11
48	Applications of scaffold-based advanced materials in biomedical sensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116342.	11.4	11
49	CuI/Fe ₃ O ₄ NPs@Biimidazole IL as a leach proof nanocatalyst for the synthesis of imidazo[1,2-a]pyridines in aqueous medium. <i>Applied Organometallic Chemistry</i> , 2021, 35, .	3.5	10
50	Solubility of amlodipine besylate in binary mixtures of polyethylene glycol 400+water at various temperatures: Measurement and modelling. <i>Journal of Molecular Liquids</i> , 2022, 347, 118394.	4.9	10
51	Solubility of Tris(hydroxymethyl)aminomethane in Methanol + 1-Propanol Mixtures at Various Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 4227-4230.	1.9	9
52	Avoid using spectrophotometric determination of malondialdehyde as a biomarker of oxidative stress. <i>Biomarkers in Medicine</i> , 2018, 12, 551-554.	1.4	9
53	Zn/MCM-41-catalyzed unsymmetrical Hantzsch reaction and the evaluation of optical properties and anti-cancer activities of the polyhydroquinoline products. <i>Monatshfte für Chemie</i> , 2020, 151, 243-249.	1.8	9
54	Viscosity prediction of ionic liquid+ molecular solvent mixtures at various temperatures. <i>Journal of Molecular Liquids</i> , 2018, 263, 228-236.	4.9	8

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55	Synthesis of folic acid functionalized terbium-doped dendritic fibrous nano-silica and Interaction with HEK293 normal, MDA breast cancer and HT29 colon cancer cells. <i>Journal of Molecular Recognition</i> , 2020, 33, e2871.	2.1	8
56	Sensitive monitoring of doxorubicin in plasma of patients, MDA-MB-231 and 4T1 cell lysates using electroanalysis method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 192, 113701.	2.8	8
57	Sensitive identification of silibinin as anticancer drug in human plasma samples using poly(β -CD)-AgNPs: A new platform towards efficient clinical pharmacotherapy. <i>Biomedicine and Pharmacotherapy</i> , 2021, 140, 111763.	5.6	8
58	Solubility of trisodium citrate in water+methanol mixtures at various temperatures. <i>Journal of Molecular Liquids</i> , 2016, 221, 166-170.	4.9	7
59	Ultrasensitive fluorescence detection of antitumor drug methotrexate based on a terbium-doped silica dendritic probe. <i>Analytical Methods</i> , 2021, 13, 4280-4289.	2.7	7
60	Development and Validation of a Terbium-Sensitized Luminescence Analytical Method for Deferiprone. <i>Iranian Journal of Pharmaceutical Research</i> , 2012, 11, 771-80.	0.5	7
61	Concanavalin A-conjugated gold nanoparticle/silica quantum dot (AuNPs/SiQDs-Con A)-based platform as a fluorescent nanoprobe for the bioimaging of glycan-positive cancer cells. <i>RSC Advances</i> , 2022, 12, 8492-8501.	3.6	7
62	A combination of amino-functionalized fibrous silica (KCC-1-NH ₂)/effectively and efficiently oxidized graphene oxide (EEGO) nanocomposite for dispersive solid-phase extraction, pre-concentration and fluorescence determination of total para-cresol in plasma samples of chronic kidney disease patients. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 214, 114746.	2.8	7
63	Solubility of Tris(hydroxymethyl)aminomethane in Water + Methanol +1-Propanol Mixtures at Various Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 2515-2520.	1.9	6
64	A possible reason for the low reproducibility of malondialdehyde determinations in biological samples. <i>Bioanalysis</i> , 2016, 8, 2179-2181.	1.5	6
65	Solubilization of celecoxib, lamotrigine and phenytoin using ethanol and a nonionic surfactant. <i>Journal of Molecular Liquids</i> , 2017, 243, 715-719.	4.9	6
66	Applications of advanced materials in bio-sensing in live cells: Methods and applications. <i>Materials Science and Engineering C</i> , 2021, 121, 111691.	7.3	6
67	Magnetic sulfonated polysaccharides as efficient catalysts for synthesis of isoxazole-5-one derivatives possessing a substituted pyrrole ring, as anti-cancer agents. <i>RSC Advances</i> , 2021, 11, 36958-36964.	3.6	6
68	Solubility of Anthracene in C ₁ -C ₃ Alcohols from (298.2 to 333.2) K and Their Mixtures with 2-Propanone at 298.2 K. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 5319-5322.	1.9	5
69	Solubility of Sodium Acetate in Ternary Mixtures of Methanol, 1-Propanol, Acetonitrile, and Water at 298.2 K. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 2670-2676.	1.9	5
70	An Improved Automated Setup for Solubility Determination of Drugs. <i>Pharmaceutical Sciences</i> , 2016, 22, 210-214.	0.2	5
71	Measurement and modeling of sodium chloride solubility in binary mixtures of water+polyethylene glycol 400 at various temperatures. <i>Journal of Molecular Liquids</i> , 2020, 316, 113777.	4.9	4
72	Tb ₂ (WO ₄) ₃ @N-GQDs-FA as an efficient nanocatalyst for the efficient synthesis of β -aminoalcohols in aqueous solution. <i>Journal of Molecular Liquids</i> , 2021, 329, 115555.	4.9	4

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73	Effects of Analytical Procedures on the Repeatability of Malondialdehyde Determinations in Biological Samples. <i>Pharmaceutical Sciences</i> , 2017, 23, 193-197.	0.2	4
74	Sensing Methods of Immunosuppressant Drugs: Calcineurin Inhibitors and Purine Synthesis Inhibitor Agents. <i>Immunoanalysis</i> , 2021, 1, 12-12.	0.8	4
75	Synthesis and application of concanavalin A-conjugated green luminescent gold nanoparticle/fluorescent polydopamine nanoparticles for specific differentiation of cancer cells from normal cells using glycan bioreceptors. <i>Materials Chemistry and Physics</i> , 2022, 288, 126344.	4.0	4
76	Solubility of Anthracene in Binary and Ternary Mixtures of Cyclohexanone, Ethyl Acetate, and Methanol at 298.2 K. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 2607-2609.	1.9	3
77	Efficacy of Analytical Technologies in Metabolomics Studies of the Gastrointestinal Cancers. <i>Critical Reviews in Analytical Chemistry</i> , 2022, 52, 1593-1605.	3.5	3
78	Advanced Materials for Immunosensing of Pharmaceutical and Drug Compounds. <i>Immunoanalysis</i> , 2021, 1, 5-5.	0.8	3
79	Prediction of hypothetical solubility of drugs in phase separated miscible binary solvent mixtures using an interpolation technique. <i>Journal of Molecular Liquids</i> , 2021, 335, 116518.	4.9	3
80	Liquid Chromatographic Determination of Malondialdehyde in Plasma Samples After Liquid-Liquid Microextraction. <i>Current Analytical Chemistry</i> , 2018, 14, 416-422.	1.2	3
81	Solubility of amlodipine besylate in acetonitrile + water binary mixtures at various temperatures: Determination, modelling, and thermodynamics. <i>Physics and Chemistry of Liquids</i> , 2022, 60, 892-909.	1.2	3
82	Solubility of Acetaminophen in Ethanol-Water-NaCl Mixtures at Various Temperatures. <i>Chemical Engineering Communications</i> , 2016, 203, 471-475.	2.6	2
83	Solubilization of naproxen using N-methyl-2-pyrrolidone or ethanol and β -cyclodextrin. <i>Physics and Chemistry of Liquids</i> , 2019, 57, 75-83.	1.2	2
84	Applications of Advanced Materials for Non-Enzymatic Glucose Monitoring: From Invasive to the Wearable Device.. <i>Critical Reviews in Analytical Chemistry</i> , 2021, , 1-16.	3.5	2
85	Spectrofluorimetric Method for Monitoring Methotrexate in Patients' Plasma Samples and Cell Lysates Using Highly Fluorescent Carbon Dots. <i>Iranian Journal of Pharmaceutical Research</i> , 2022, In Press, .	0.5	1
86	Simple Determination of p-Cresol in Plasma Samples Using Fluorescence Spectroscopy Technique. <i>Iranian Journal of Pharmaceutical Research</i> , 2021, 20, 68-78.	0.5	0
87	Editorial: <i>Frontiers in Chemistry-Rising Stars: Asia</i> . <i>Frontiers in Chemistry</i> , 2021, 9, 811459.	3.6	0