

Jafar Soleymani

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83

papers

1,073

citations

20

h-index

28

g-index

89

ext. papers

1,373

ext. citations

5.4

avg, IF

5.08

L-index

#	Paper	IF	Citations
83	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	6	1
82	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	3.7	1
81	Rational design of smart nano-platforms based on antifouling-nanomaterials toward multifunctional bioanalysis.. <i>Advances in Colloid and Interface Science</i> , 2022 , 302, 102637	14.3	1
80	Quantification of methotrexate in plasma samples using highly fluorescent nanoparticles.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022 , 214, 114716	3.5	0
79	A combination of amino-functionalized fibrous silica (KCC-1-NH)/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	3.5	0
78	Simple Determination of p-Cresol in Plasma Samples Using Fluorescence Spectroscopy Technique. <i>Iranian Journal of Pharmaceutical Research</i> , 2021 , 20, 68-78	1.1	
77	Applications of magnetic materials in the fabrication of microfluidic-based sensing systems: Recent advances. <i>Microchemical Journal</i> , 2021 , 173, 107042	4.8	3
76	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	3.7	0
75	Carbon-based aerogels for biomedical sensing: Advances toward designing the ideal sensor. <i>Advances in Colloid and Interface Science</i> , 2021 , 298, 102550	14.3	4
74	Were magnetic materials useful in cancer therapy?. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 144, 112321	7.5	5
73	The trends in nanomaterial-based biosensors for detecting critical biomarkers in stroke. <i>Clinica Chimica Acta</i> , 2021 , 514, 107-121	6.2	10
72	Tb ₂ (WO ₄) ₃ @N-GQDs-FA as an efficient nanocatalyst for the efficient synthesis of aminoalcohols in aqueous solution. <i>Journal of Molecular Liquids</i> , 2021 , 329, 115555	6	1
71	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	4.8	7
70	Advanced Materials for Immunosensing of Pharmaceutical and Drug Compounds 2021 , 1, 5-5		1
69	Applications of advanced materials in bio-sensing in live cells: Methods and applications. <i>Materials Science and Engineering C</i> , 2021 , 121, 111691	8.3	3
68	CuI/Fe ₃ O ₄ NPs@Bimidazole IL-KCC-1 as a leach proof nanocatalyst for the synthesis of imidazo[1,2- a]pyridines in aqueous medium. <i>Applied Organometallic Chemistry</i> , 2021 , 35,	3.1	6
67	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	3.5	3

66	Ultrasensitive fluorescence detection of antitumor drug methotrexate based on a terbium-doped silica dendritic probe. <i>Analytical Methods</i> , 2021 , 13, 4280-4289	3.2	1
65	Breathomics: Review of Sample Collection and Analysis, Data Modeling and Clinical Applications. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 1-27	5.2	10
64	Efficacy of Analytical Technologies in Metabolomics Studies of the Gastrointestinal Cancers. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 1-13	5.2	0
63	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	4.4	8
62	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	6	1
61	Sensitive identification of silibinin as anticancer drug in human plasma samples using poly (ECD)-AgNPs: A new platform towards efficient clinical pharmacotherapy. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 140, 111763	7.5	1
60	Applications of scaffold-based advanced materials in biomedical sensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 143, 116342	14.6	2
59	Glycoprotein-based bioimaging of HeLa cancer cells by folate receptor and folate decorated graphene quantum dots. <i>Microchemical Journal</i> , 2021 , 170, 106732	4.8	5
58	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	5.2	1
57	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	14.6	19
56	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	3.4	13
55	Iron oxide magnetic nanoparticles supported on amino propyl-functionalized KCC-1 as robust recyclable catalyst for one pot and green synthesis of tetrahydrodipyrzopolpyridines and cytotoxicity evaluation. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5440	3.1	11
54	Zn/MCM-41-catalyzed unsymmetrical Hantzsch reaction and the evaluation of optical properties and anti-cancer activities of the polyhydroquinoline products. <i>Monatshefte Für Chemie</i> , 2020 , 151, 243-249	1.4	3
53	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	6	52
52	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	3.5	14
51	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	8.3	10
50	Multi-spectroscopic, thermodynamic and molecular docking insights into interaction of bovine serum albumin with calcium lactate. <i>Microchemical Journal</i> , 2020 , 154, 104580	4.8	11
49	Determination of morphine and oxymorphone 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, 102256	3.2	8

48	Synthesis of folic acid functionalized terbium-doped dendritic fibrous nano-silica and Interaction with HEK 293 normal, MDA breast cancer and HT 29 colon cancer cells. <i>Journal of Molecular Recognition</i> , 2020 , 33, e2871	2.6	4
47	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	6	3
46	Advanced nanomaterials towards biosensing of insulin: Analytical approaches. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 116, 1-12	14.6	13
45	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	11.8	50
44	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	3.2	22
43	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, 576-589	4.8	12
42	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	4.8	24
41	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 (PADs) towards biomedical analysis. <i>Microchemical Journal</i> , 2019 , 144, 345-358	4.8	36
40	Solubilization of naproxen using N-methyl-2-pyrrolidone or ethanol and Cyclodextrin. <i>Physics and Chemistry of Liquids</i> , 2019 , 57, 75-83	1.5	2
39	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	2.8	11
38	Viscosity prediction of ionic liquid + molecular solvent mixtures at various temperatures. <i>Journal of Molecular Liquids</i> , 2018 , 263, 228-236	6	7
37	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	7.9	54
36	Nanomaterials based optical biosensing of hepatitis: Recent analytical advancements. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 107, 169-180	14.6	13
35	Avoid using spectrophotometric determination of malondialdehyde as a biomarker of oxidative stress. <i>Biomarkers in Medicine</i> , 2018 , 12, 551-554	2.3	6
34	Liquid Chromatographic Determination of Malondialdehyde in Plasma Samples After Liquid-Liquid Microextraction. <i>Current Analytical Chemistry</i> , 2018 , 14, 416-422	1.7	1
33	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	7.9	21
32	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	4.8	21
31	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	11.8	44

30	Solubilization of lamotrigine using Tween 80 and ethylene glycol or propylene glycol. <i>Journal of Molecular Liquids</i> , 2017 , 236, 249-253	6	13
29	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	8.3	35
28	Solubilization of celecoxib, lamotrigine and phenytoin using ethanol and a nonionic surfactant. <i>Journal of Molecular Liquids</i> , 2017 , 243, 715-719	6	6
27	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	14.6	21
26	Effects of Analytical Procedures on the Repeatability of Malondialdehyde Determinations in Biological Samples 2017 , 23, 193-197		2
25	Solubility of trisodium citrate in water + methanol mixtures at various temperatures. <i>Journal of Molecular Liquids</i> , 2016 , 221, 166-170	6	7
24	A new kinetic-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, 638-50	8.3	61
23	Solubility of Acetaminophen in Ethanol + Water + NaCl Mixtures at Various Temperatures. <i>Chemical Engineering Communications</i> , 2016 , 203, 471-475	2.2	1
22	An Improved Automated Setup for Solubility Determination of Drugs 2016 , 22, 210-214		3
21	A possible reason for the low reproducibility of malondialdehyde determinations in biological samples. <i>Bioanalysis</i> , 2016 , 8, 2179-2181	2.1	5
20	Advanced materials for optical sensing and biosensing of neurotransmitters. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 72, 27-44	14.6	25
19	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	2.8	5
18	Solubility of Tris(hydroxymethyl)aminomethane in Water + 1-Propanol Mixtures at Various Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 3723-3727	2.8	11
17	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	2.8	30
16	Dendrimer-encapsulated and cored metal nanoparticles for electrochemical nanobiosensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2014 , 53, 137-149	14.6	62
15	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	2.8	3
14	Solubility of Ketoconazole in Polyethylene Glycol 200 + Water Mixtures at 298.2 & 318.2 K. <i>Journal of Solution Chemistry</i> , 2014 , 43, 950-958	1.8	17
13	Solubility of Tris(hydroxymethyl)aminomethane in Methanol + 1-Propanol Mixtures at Various Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 4227-4230	2.8	9

12	Optical immunosensing of effective cardiac biomarkers on acute myocardial infarction. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 51, 158-168	14.6	26
11	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	2.8	7
10	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	6	20
9	Mathematical Representation of Viscosity of Ionic Liquid + Molecular Solvent Mixtures at Various Temperatures Using the Jouyban-Acree Model. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 1523-1528	2.8	21
8	Determination of deferiprone in urine and serum using a terbium-sensitized luminescence method. <i>Luminescence</i> , 2012 , 27, 268-73	2.5	21
7	Development and Validation of a Terbium-Sensitized Luminescence Analytical Method for Deferiprone. <i>Iranian Journal of Pharmaceutical Research</i> , 2012 , 11, 771-80	1.1	6
6	Solubility prediction of drugs in mixed solvents using partial solubility parameters. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 4368-82	3.9	46
5	Spectrofluorimetric determination of folic acid in tablets and urine samples using 1,10-phenanthroline-terbium probe. <i>Luminescence</i> , 2011 , 26, 106-11	2.5	31
4	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	1.1	10
3	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	2.8	3
2	Solubility of Anthracene in C1-C3 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	2.8	5
1	Solubility of amlodipine besylate in acetonitrile + water binary mixtures at various temperatures: Determination, modelling, and thermodynamics. <i>Physics and Chemistry of Liquids</i> , 1-18	1.5	0