

Ali Hossein Rezayan

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7378894/ali-hossein-rezayan-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

92
papers

2,284
citations

26
h-index

43
g-index

115
ext. papers

2,615
ext. citations

3.7
avg, IF

5.26
L-index

#	Paper	IF	Citations
92	Recent progress of isocyanide-based multicomponent reactions in Iran. <i>Molecular Diversity</i> , 2011 , 15, 41-68	3.1	171
91	Silica sulfuric acid promoted selective oxidation of sulfides to sulfoxides or sulfones in the presence of aqueous H ₂ O ₂ . <i>Catalysis Communications</i> , 2007 , 8, 1112-1116	3.2	125
90	Synthesis of highly functionalized bis(4H-chromene) and 4H-benzo[g]chromene derivatives via an isocyanide-based pseudo-five-component reaction. <i>Journal of Organic Chemistry</i> , 2009 , 74, 4372-4	4.2	104
89	Novel one-pot three- and pseudo-five-component reactions: synthesis of functionalized benzo[g]- and dihydropyrano[2,3-g]chromene derivatives. <i>ACS Combinatorial Science</i> , 2009 , 11, 956-9		95
88	A novel one-pot three-(in situ five-)component condensation reaction: an unexpected approach for the synthesis of tetrahydro-2,4-dioxo-1H-benzo[b][1,5]diazepine-3-yl-2-methylpropanamide derivatives. <i>Organic Letters</i> , 2009 , 11, 3342-5	6.2	80
87	Novel isocyanide-based four-component reaction: a facile synthesis of fully substituted 3,4-dihydrocoumarin derivatives. <i>Organic Letters</i> , 2008 , 10, 2581-4	6.2	79
86	Ultrasound-accelerated Synthesis of 1,4-Dihydropyridines in an Ionic Liquid. <i>Monatshefte für Chemie</i> , 2006 , 137, 77-81	1.4	63
85	Synthesis of fully substituted pyrano[2,3-c]pyrazole derivatives via a multicomponent reaction of isocyanides. <i>Tetrahedron</i> , 2009 , 65, 3492-3495	2.4	59
84	Colorimetric aptasensor for <i>Campylobacter jejuni</i> cells by exploiting the peroxidase like activity of Au@Pd nanoparticles. <i>Mikrochimica Acta</i> , 2018 , 185, 448	5.8	59
83	Monodisperse magnetite (Fe ₃ O ₄) nanoparticles modified with water soluble polymers for the diagnosis of breast cancer by MRI method. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 420, 210-217	2.8	57
82	A novel approach for the synthesis of alkyl and aryl sulfonamides. <i>Tetrahedron Letters</i> , 2007 , 48, 2185-2188		54
81	A novel approach for the synthesis of aryl amides. <i>Tetrahedron Letters</i> , 2007 , 48, 6137-6141	2	53
80	Microwave assisted synthesis of metal-free phthalocyanine and metallophthalocyanines. <i>Dyes and Pigments</i> , 2007 , 74, 279-282	4.6	46
79	A simple and efficient approach to the synthesis of 4H-furo[3,4-b]pyrans via a three-component reaction of isocyanides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 3968-70	2.9	46
78	Clean Synthesis in Water: Uncatalyzed Three-Component Condensation Reaction of 3-Amino-1,2,4-triazole or 2-Aminobenzimidazole with Aldehyde in the Presence of Activated CH-Acids. <i>QSAR and Combinatorial Science</i> , 2007 , 26, 973-979		45
77	Coumarin synthesis via Knoevenagel condensation reaction in 1,1,3,3-N,N,N',N'-tetramethylguanidinium trifluoroacetate ionic liquid. <i>Journal of the Iranian Chemical Society</i> , 2009 , 6, 710-714	2	44
76	Green chemistry approaches for the synthesis of quinoxaline derivatives: Comparison of ethanol and water in the presence of the reusable catalyst cellulose sulfuric acid. <i>Comptes Rendus Chimie</i> , 2009 , 12, 1249-1252	2.7	41

75	An environmentally benign approach for the synthesis of bifunctional sulfonamide-amide compounds via isocyanide-based multicomponent reactions. <i>Green Chemistry</i> , 2011 , 13, 582	10	37
74	Synthesis and evaluation of injectable thermosensitive penta-block copolymer hydrogel (PNIPAAm-PCL-PEG-PCL-PNIPAAm) and star-shaped poly(CL-CO-LA)-b-PEG for wound healing applications. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 17194-17207	4.7	35
73	A novel pyridine-based three-component condensation reaction: synthesis of highly substituted quinolizines. <i>Tetrahedron Letters</i> , 2008 , 49, 1469-1472	2	32
72	Whole cell FRET immunosensor based on graphene oxide and graphene dot for <i>Campylobacter jejuni</i> detection. <i>Food Chemistry</i> , 2020 , 309, 125690	8.5	32
71	A Novel Label-Free microRNA-155 Detection on the Basis of Fluorescent Silver Nanoclusters. <i>Journal of Fluorescence</i> , 2015 , 25, 925-9	2.4	31
70	A mild and efficient method for the synthesis of 2,5-dihydro-5-imino-2-methylfuran-3,4-dicarboxylates via an isocyanide-based multicomponent reaction. <i>Tetrahedron Letters</i> , 2009 , 50, 1456-1458	2	31
69	Development of an immunosensor using oriented immobilized anti-OmpW for sensitive detection of <i>Vibrio cholerae</i> by surface plasmon resonance. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 484-488	11.8	30
68	Ionic Liquid/Silica Sulfuric Acid Promoted Fast Synthesis of a Biginelli-Like Scaffold Reaction. <i>Letters in Organic Chemistry</i> , 2007 , 4, 68-71	0.6	28
67	Efficient megalin targeted delivery to renal proximal tubular cells mediated by modified-polymyxin B-polyethylenimine based nano-gene-carriers. <i>Materials Science and Engineering C</i> , 2017 , 79, 770-782	8.3	27
66	Tin(II) Chloride Dihydrate Catalyzed Groebke Condensation: An Efficient Protocol for the Synthesis of 3-Aminoimidazo[1,2-a]pyridines. <i>Chinese Journal of Chemistry</i> , 2009 , 27, 369-371	4.9	26
65	Development of chitosan-coated liposome for pulmonary delivery of N-acetylcysteine. <i>International Journal of Biological Macromolecules</i> , 2020 , 156, 1455-1463	7.9	26
64	Megalín-targeted enhanced transfection efficiency in cultured human HK-2 renal tubular proximal cells using aminoglycoside-carboxyalkyl-polyethylenimine-containing nanoplexes. <i>International Journal of Pharmaceutics</i> , 2017 , 523, 102-120	6.5	25
63	Synthesis of poly(ϵ -caprolactone)-based polyurethane semi-interpenetrating polymer networks as scaffolds for skin tissue regeneration. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017 , 66, 805-811	3	24
62	Synthesis of highly stable unusual charge-separated pyridinium-, isoquinolinium-, quinolinium-, and N-methylimidazolium-tetronic acid zwitterions. <i>Tetrahedron</i> , 2009 , 65, 6063-6068	2.4	24
61	Rapid optimization of liposome characteristics using a combined microfluidics and design-of-experiment approach. <i>Drug Delivery and Translational Research</i> , 2019 , 9, 404-413	6.2	24
60	Protein adsorption onto polysaccharides: Comparison of chitosan and chitin polymers. <i>Carbohydrate Polymers</i> , 2018 , 191, 191-197	10.3	23
59	FRET-based immunoassay using CdTe and AuNPs for the detection of OmpW antigen of <i>Vibrio cholerae</i> . <i>Journal of Luminescence</i> , 2017 , 192, 932-939	3.8	23
58	A Novel Isocyanide-Based Three-Component Condensation Reaction: Synthesis of Fully Substituted Imino- and Spiroiminocyclopentenes. <i>Synlett</i> , 2007 , 2007, 1458-1460	2.2	23

57	Design, fabrication, and optimization of a dual function three-layer scaffold for controlled release of metformin hydrochloride to alleviate fibrosis and accelerate wound healing. <i>Acta Biomaterialia</i> , 2020 , 113, 144-163	10.8	22
56	Gallic acid-loaded montmorillonite nanostructure as a new controlled release system. <i>Applied Clay Science</i> , 2016 , 119, 236-242	5.2	22
55	Tungstophosphoric acid (H ₃ PW ₁₂ O ₄₀) catalyzed oxidation of organic compounds with NaBrO ₃ . <i>Catalysis Communications</i> , 2009 , 10, 1074-1078	3.2	22
54	Synthesis and biological evaluation of coumarin derivatives as inhibitors of Mycobacterium bovis (BCG). <i>Chemical Biology and Drug Design</i> , 2012 , 80, 929-36	2.9	21
53	Synthesis of β -Aminophosphonates in the Presence of a Magnetic Recyclable Fe ₃ O ₄ @SiO ₂ -2mimSO ₃ H Nanocatalyst. <i>Bulletin of the Chemical Society of Japan</i> , 2014 , 87, 982-987	5.1	20
52	Follicle-stimulating hormone encapsulation in the cholesterol-modified chitosan nanoparticles via molecular dynamics simulations and binding free energy calculations. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 107, 126-137	5.1	20
51	Bioactive composite scaffolds of carboxymethyl chitosan-silk fibroin containing chitosan nanoparticles for sustained release of ascorbic acid. <i>European Polymer Journal</i> , 2018 , 103, 40-50	5.2	19
50	Aerobic oxidative deprotection of silyl ethers to carbonyl compounds with cobalt (II) tetrasulfophthalocyanine as a catalyst in ionic liquid. <i>Catalysis Communications</i> , 2008 , 10, 129-131	3.2	19
49	HHC-36 antimicrobial peptide loading on silk fibroin (SF)/hydroxyapatite (HA) nanofibrous-coated titanium for the enhancement of osteoblast and bactericidal functions. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020 , 69, 629-639	3	19
48	In vitro and in vivo evaluation of a nanofiber wound dressing loaded with melatonin. <i>International Journal of Pharmaceutics</i> , 2021 , 596, 120213	6.5	18
47	Glucose reinforced FeO@cellulose mediated amino acid: Reusable magnetic glyconanoparticles with enhanced bacteria capture efficiency. <i>Carbohydrate Polymers</i> , 2017 , 170, 190-197	10.3	17
46	Pyridine catalyzed reaction of tetracyanoethylene and activated 1,3-dicarbonyl CH-acid compounds: A rapid and efficient synthesis of pyran annulated heterocyclic systems. <i>Catalysis Communications</i> , 2008 , 9, 1082-1086	3.2	17
45	A lectin-coupled porous silicon-based biosensor: label-free optical detection of bacteria in a real-time mode. <i>Scientific Reports</i> , 2020 , 10, 16017	4.9	17
44	Surface functionalization of halloysite nanotubes via curcumin inclusion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 538, 834-840	5.1	17
43	Enhanced Entrapment and Improved in Vitro Controlled Release of N-Acetyl Cysteine in Hybrid PLGA/Lecithin Nanoparticles Prepared Using a Nanoprecipitation/Self-Assembly Method. <i>Journal of Cellular Biochemistry</i> , 2017 , 118, 4203-4209	4.7	15
42	Unexpected Knoevenagel self-condensation reaction of tetronic acid: synthesis of a new class of organic heterocyclic salts. <i>Tetrahedron</i> , 2010 , 66, 1911-1914	2.4	15
41	A very fast and easy procedure for the synthesis of metallophthalocyanines. <i>Journal of Porphyrins and Phthalocyanines</i> , 2005 , 09, 617-620	1.8	15
40	Pyridine-functionalized MCM-41 as an efficient and recoverable catalyst for the synthesis of pyran annulated heterocyclic systems. <i>Chemical and Pharmaceutical Bulletin</i> , 2010 , 58, 270-2	1.9	14

39	Silica-supported cobalt(II) tetrasulfophthalocyanine catalyzed aerobic oxidation of thiols to disulfides under neutral conditions. <i>Monatshefte Für Chemie</i> , 2008 , 139, 613-615	1.4	14
38	Evaluating the Potential of an Antibody Against Recombinant OmpW Antigen in Detection of <i>Vibrio cholerae</i> by Surface Plasmon Resonance (SPR) Biosensor. <i>Plasmonics</i> , 2017 , 12, 1493-1504	2.4	13
37	Label-Free Detection of Digoxin Using Localized Surface Plasmon Resonance-Based Nanobiosensor. <i>Plasmonics</i> , 2017 , 12, 157-164	2.4	12
36	A stereoselective three-component reaction: The facile synthesis of fluorinated tetrahydropyrimido[1,2-b]benzothiazoles. <i>Journal of the Iranian Chemical Society</i> , 2011 , 8, 24-30	2	12
35	A novel method for the synthesis of substituted 3,4-dihydrocoumarin derivatives via isocyanide-based three-component reaction. <i>Molecular Diversity</i> , 2008 , 12, 197-202	3.1	12
34	A biophysical study on the mechanism of interactions of DOX or PTX with β -lactalbumin as a delivery carrier. <i>Scientific Reports</i> , 2018 , 8, 17345	4.9	12
33	Comparison of antibody immobilization strategies in detection of <i>Vibrio cholerae</i> by surface plasmon resonance. <i>Biointerphases</i> , 2016 , 11, 041006	1.8	11
32	Theranostic β -Lactalbumin-Polymer-Based Nanocomposite as a Drug Delivery Carrier for Cancer Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 5189-5208	5.5	10
31	Synthesis of pyrido[2,1-b:3,4-b']imidazo[4,5-c]isoquinolines via a one-pot, three-component reaction. <i>Tetrahedron Letters</i> , 2014 , 55, 1848-1850	2	10
30	Isocyanide-Catalyzed Reaction of Tetracyanoethylene and Activated 1,3-Dicarbonyl CH-Acid Compounds: A Rapid and Efficient Synthesis of Pyran Annulated Heterocyclic Systems. <i>Synthetic Communications</i> , 2008 , 38, 274-281	1.7	10
29	One-step Synthesis of 3,4-Dihydrobenzimidazo[2,1-b]quinazolin-1(2H)-ones in an Ionic Liquid. <i>Monatshefte Für Chemie</i> , 2007 , 138, 615-618	1.4	9
28	Combined cerium oxide nanocapping and layer-by-layer coating of porous silicon containers for controlled drug release. <i>Journal of Materials Science</i> , 2018 , 53, 14975-14988	4.3	8
27	An unexpected coupling reaction between isocyanides and carboxylic acids: a method for the synthesis of highly stable symmetrical and unsymmetrical alkylamidine and arylamidine carbocations. <i>Tetrahedron Letters</i> , 2010 , 51, 4091-4094	2	8
26	Development of Thiolated Chitosan Nanoparticles Based Mucoadhesive Vaginal Drug Delivery Systems. <i>Polymer Science - Series A</i> , 2017 , 59, 858-865	1.2	7
25	Study the N Turnover of Legume Seed Meals for Designing a Slow-Release Nitrogen Fertilizer. <i>Communications in Soil Science and Plant Analysis</i> , 2014 , 45, 1325-1335	1.5	7
24	Controlled Tyrosine Kinase Inhibitor Delivery to Liver Cancer Cells by Gate-Capped Mesoporous Silica Nanoparticles.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 239-251	4.1	7
23	Label-free discrimination of single nucleotide changes in DNA by reflectometric interference Fourier transform spectroscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 181, 714-720	6	6
22	Selective aqueous oxidation of alcohols catalyzed by copper (II) phthalocyanine nanoparticles. <i>Comptes Rendus Chimie</i> , 2016 , 19, 314-319	2.7	6

21	Improving biocompatibility and corrosion resistance of anodized AZ31 Mg alloy by electrospun chitosan/mineralized bone allograft (MBA) nanocoatings. <i>Surface and Coatings Technology</i> , 2021 , 405, 126627	4.4	6
20	A mild and green chemistry approach for the synthesis of symmetrical spirooxindole derivatives. <i>Journal of the Iranian Chemical Society</i> , 2013 , 10, 521-525	2	5
19	Synthesis of a new class of tetronic acid derivatives: a one-pot three-component condensation reaction between isoquinoline or pyridine and dialkyl acetylenedicarboxylate with tetronic acid. <i>Monatshefte Für Chemie</i> , 2013 , 144, 1051-1055	1.4	5
18	Stereoselective synthesis of 3,4-dihydro-7-nitrocoumarins via isocyanide-based multicomponent reaction. <i>Comptes Rendus Chimie</i> , 2012 , 15, 499-503	2.7	5
17	A mild and efficient approach for the selective deprotection of benzyl and phenyl trimethylsilyl ethers in 1-butyl-3-methyl-imidazolium chloride. <i>Monatshefte Für Chemie</i> , 2008 , 139, 1471-1474	1.4	5
16	Gold nanoparticles anchored onto covalent poly deep eutectic solvent functionalized graphene: An electrochemical aptasensor for the detection of C-reactive protein. <i>Materials Chemistry and Physics</i> , 2021 , 269, 124730	4.4	5
15	One-Pot Synthesis of Metallopyrazinoporphyrazines Using 2,3-Diaminomaleonitrile and 1,2-Dicarbonyl Compounds Accelerated by Microwave Irradiation. <i>Organic Chemistry International</i> , 2014 , 2014, 1-5		4
14	Synthesis and Biological Evaluation of Thiosemicarbazide Derivatives Endowed with High Activity toward. <i>Iranian Journal of Pharmaceutical Research</i> , 2017 , 16, 1128-1140	1.1	4
13	Porous MnFeO@SiO magnetic glycopolymer: A multivalent nanostructure for efficient removal of bacteria from aqueous solution. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 166, 277-284	7	4
12	Developing new synthetic biomimetic nanocomposite adhesives: Synthesis and evaluation of bond strength and solubilization. <i>Reactive and Functional Polymers</i> , 2018 , 127, 85-93	4.6	3
11	Synthesis and biological evaluation of propargyl acetate derivatives as anti-mycobacterial agents. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2012 , 20, 90	3.9	3
10	Synthesis and Characterization of Biodegradable Semi-Interpenetrating Polymer Networks Based on Star-Shaped Copolymers of ϵ -Caprolactone and Lactide. <i>Iranian Journal of Pharmaceutical Research</i> , 2017 , 16, 63-73	1.1	3
9	Meldrum's acid catalyzed reaction of tetracyanoethylene and aldehydes in water: a novel approach to arylidenemalononitrile. <i>Chemical and Pharmaceutical Bulletin</i> , 2008 , 56, 1480-2	1.9	2
8	Synthesis of Novel Fluorene Bisamide Derivatives via Ugi Reaction and Evaluation their Biological Activity against. <i>Iranian Journal of Pharmaceutical Research</i> , 2017 , 16, 745-755	1.1	2
7	Optimization of Porous Silicon Conditions for DNA-based Biosensing via Reflectometric Interference Spectroscopy. <i>Cell Journal</i> , 2019 , 20, 584-591	2.4	2
6	Enhance corrosion behavior of AZ31 magnesium alloy by tailoring the anodic oxidation time followed by heat treatment in simulated body fluid. <i>Anti-Corrosion Methods and Materials</i> , 2021 , 68, 276-283	0.8	1
5	Buried-Gate MWCNT FET-Based Nanobiosensing Device for Real-Time Detection of CRP.. <i>ACS Omega</i> , 2022 , 7, 7341-7349	3.9	0
4	Preparation and Evaluation of a Niosomal Drug Delivery System Containing Cefazolin and Study of Its Antibacterial Activity. <i>Iranian Journal of Medical Microbiology</i> , 2021 , 15, 638-657	0.4	0

- 3 (E)-1-(2-Nitro-benzyl-idene)-4-phenyl-thio-semicarbazide. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o2154
- 2 A Modified PEG-Fe₃O₄ Magnetic Nanoparticles Conjugated with D(+)Glucosamine (DG): MRI Contrast Agent. *Journal of Inorganic and Organometallic Polymers and Materials*, 1 3.2
- 1 The process of L-asparaginase encapsulation by poly (lactic-co-glycolic acid) and methoxy poly (ethylene glycol): A molecular dynamics simulation study. *Materials Today Communications*, **2022**, 31, 103435 2.5