

Aram Rezaei

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,330
citations

304368

22
h-index

377514

34
g-index

50
all docs

50
docs citations

50
times ranked

1050
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel One-Pot, Four-Component Condensation Reaction: An Efficient Approach for the Synthesis of 2,5-Disubstituted 1,3,4-Oxadiazole Derivatives by a Ugi-4CR/aza-Wittig Sequence. <i>Organic Letters</i> , 2010, 12, 2852-2855.	2.4	145
2	A novel three-component reaction of a secondary amine and a 2-hydroxybenzaldehyde derivative with an isocyanide in the presence of silica gel: an efficient one-pot synthesis of benzo[b]furan derivatives. <i>Tetrahedron Letters</i> , 2009, 50, 5625-5627.	0.7	88
3	Sophisticated polycaprolactone/gelatin nanofibrous nerve guided conduit containing platelet-rich plasma and citicoline for peripheral nerve regeneration: In vitro and in vivo study. <i>International Journal of Biological Macromolecules</i> , 2020, 150, 380-388.	3.6	68
4	Ugi Four-Component Assembly Process: An Efficient Approach for One-Pot Multifunctionalization of Nanographene Oxide in Water and Its Application in Lipase Immobilization. <i>Chemistry of Materials</i> , 2016, 28, 3004-3016.	3.2	63
5	Three-Component Reaction of an Isocyanide and a Dialkyl Acetylenedicarboxylate with a Phenacyl Halide in the Presence of Water: An Efficient Method for the One-Pot Synthesis of β -iminolactone Derivatives. <i>Helvetica Chimica Acta</i> , 2010, 93, 2033-2036.	1.0	62
6	Design of a Schiff Base Complex of Copper Coated on Epoxy-Modified Core-Shell MNPs as an Environmentally Friendly and Novel Catalyst for the One-Pot Synthesis of Various Chromene-Annulated Heterocycles. <i>ACS Omega</i> , 2021, 6, 25608-25622.	1.6	58
7	A novel bio-inspired conductive, biocompatible, and adhesive terpolymer based on polyaniline, polydopamine, and polylactide as scaffolding biomaterial for tissue engineering application. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 1174-1184.	3.6	56
8	Targeted Development of Sustainable Green Catalysts for Oxidation of Alcohols via Tungstate-Decorated Multifunctional Amphiphilic Carbon Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 33194-33206.	4.0	51
9	Magnetic Silica-Coated Picolyamine Copper Complex [Fe ₃ O ₄ @SiO ₂ @GP/Picolyamine-Cu(II)]-Catalyzed Biginelli Annulation Reaction. <i>Inorganic Chemistry</i> , 2022, 61, 992-1010.	1.9	51
10	Ionic-Liquid-Modified Carbon Quantum Dots as a Support for the Immobilization of Tungstate Ions (WO ₄ ²⁻): Heterogeneous Nanocatalysts for the Oxidation of Alcohols in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5283-5291.	3.2	50
11	The Reaction of (N-isocyanimino)triphenylphosphorane with Biacetyl in the Presence of Aromatic Carboxylic Acids: Efficient One-Pot Three-Component Reaction for the Synthesis of 3-(5-Aryl-1,3,4-oxadiazol-2-yl)- β -hydroxybutan-2-one Derivatives. <i>Helvetica Chimica Acta</i> , 2011, 94, 282-288.	1.0	48
12	Toward Chemical Perfection of Graphene-Based Gene Carrier via Ugi Multicomponent Assembly Process. <i>Biomacromolecules</i> , 2016, 17, 2963-2971.	2.6	45
13	PEGylated hollow pH-responsive polymeric nanocapsules for controlled drug delivery. <i>Polymer International</i> , 2020, 69, 519-527.	1.6	35
14	Carbon quantum dots decorated Ag/CuFe ₂ O ₄ for persulfate-assisted visible light photocatalytic degradation of tetracycline: A comparative study. <i>Journal of Water Process Engineering</i> , 2022, 47, 102742.	2.6	34
15	A bio-inspired gelatin-based pH- and thermal-sensitive magnetic hydrogel for in vitro chemo/hyperthermia treatment of breast cancer cells. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50578.	1.3	31
16	Synthesis, physical and mechanical properties of amphiphilic hydrogels based on polycaprolactone and polyethylene glycol for bioapplications: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 101, 307-323.	2.9	31
17	Conducting polymer-based electrically conductive adhesive materials: design, fabrication, properties, and applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10947-10961.	1.1	30
18	Pseudohomogeneous metallic catalyst based on tungstate-decorated amphiphilic carbon quantum dots for selective oxidative scission of alkenes to aldehyde. <i>Scientific Reports</i> , 2021, 11, 4411.	1.6	30

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19	A pseudohomogeneous nanocarrier based on carbon quantum dots decorated with arginine as an efficient gene delivery vehicle. <i>Scientific Reports</i> , 2021, 11, 13790.	1.6	29
20	Silica Nanoparticles/Nanosilica Sulfuric Acid as a Reusable Catalyst for Fast, Highly Efficient and Green Synthesis of 2-(Heteroaryl)acetamide Derivatives. <i>Letters in Organic Chemistry</i> , 2017, 14, 86-92.	0.2	26
21	Synthesis of N-acylurea derivatives from carboxylic acids and N,N-dialkyl carbodiimides in water. <i>Journal of Chemical Sciences</i> , 2015, 127, 2269-2282.	0.7	25
22	Multi-stimuli-responsive magnetic hydrogel based on Tragacanth gum as a de novo nanosystem for targeted chemo/hyperthermia treatment of cancer. <i>Journal of Materials Research</i> , 2021, 36, 858-869.	1.2	23
23	Amphiphilic Carbon Quantum Dots as a Bridge to a Pseudohomogeneous Catalyst for Selective Oxidative Cracking of Alkenes to Aldehydes: A Nonmetallic Oxidation System. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31360-31371.	4.0	22
24	Radiolabeled carbon-based nanostructures: New radiopharmaceuticals for cancer therapy?. <i>Coordination Chemistry Reviews</i> , 2021, 440, 213974.	9.5	22
25	The Reaction of <i>N</i> -isocyaniminotriphenylphosphorane with Ester Derivatives of 2-Oxopropyl Alcohol (2-Oxopropyl 4-Bromobenzoate, 2-Oxopropyl Benzoate, and 2-Oxopropyl Acetate) in the Presence of Aromatic Carboxylic Acids: A One-Pot Efficient Three-Component Reaction for the Synthesis of Fully Substituted 1,3,4-Oxadiazole Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2012, 49, 1447-1451.	1.4	17
26	Cell attachment evaluation of the immobilized bioactive peptide on a nanographene oxide composite. <i>Materials Science and Engineering C</i> , 2018, 82, 323-329.	3.8	17
27	Dual stimuli-responsive polymeric hollow nanocapsules as "smart" drug delivery system against cancer. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 1492-1504.	0.6	15
28	A one-pot efficient four-component reaction for the synthesis of 2-(arylamino)-2-(5-arylamino-1,3,4-oxadiazol-2-yl)propyl benzoate (or acetate) derivatives. <i>Heteroatom Chemistry</i> , 2011, 22, 692-698.	1.1	14
29	An overview on the reproductive toxicity of graphene derivatives: Highlighting the importance. <i>Nanotechnology Reviews</i> , 2022, 11, 1076-1100.	2.6	14
30	Silica Gel Promotes Cascade Synthesis of 2-(Heteroaryl)acetamide Derivatives from Isocyanides, Dialkylamines, and Heteroarylcarbaldehydes. <i>Synthetic Communications</i> , 2011, 41, 1444-1454.	1.1	13
31	Synthesis of 1,3,4-oxadiazoles from the reaction of <i>N</i> -isocyaniminotriphenylphosphorane (NICITPP) with cyclohexanone, a primary amine and an aromatic carboxylic acid via intramolecular <i>aza</i> -Wittig reaction of <i>in situ</i> generated iminophosphoranes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 1057-1062.	0.8	13
32	Microfibers nanocomposite based on polyacrylonitrile fibers/bismuth oxide nanoparticles as X-ray shielding material. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50755.	1.3	12
33	(<i>N</i> -Isocyanimino)Triphenylphosphorane as an Efficient Reagent for the Preparation of <i>N</i> -Benzyl-1-Phenyl-1-(5-Phenyl-1,3,4-Oxadiazol-2-yl)Methanamine Derivatives via in-Situ Generation of Densely Functionalized Iminophosphoranes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2012, 187, 22-31.	0.8	11
34	Gelatin-based nanofibrous electrically conductive scaffolds for tissue engineering applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 693-702.	1.8	11
35	Grinding Synthesis of 2-Amino-4H-benzo[<i>b</i>]pyran Derivatives Catalyzed By Highly Efficient CPTMS/Guanidine Protected Magnetic Nanoparticles**. <i>ChemistrySelect</i> , 2021, 6, 11362-11374.	0.7	11
36	Four-component synthesis of disubstituted 1,3,4-oxadiazole derivatives from cinnamaldehyde, an aromatic carboxylic acid, a secondary amine, and <i>N</i> -isocyaniminotriphenylphosphorane. <i>Heteroatom Chemistry</i> , 2012, 23, 315-321.	0.4	10

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37	In silico evaluation of COVID-19 main protease interactions with honeybee natural products for discovery of high potential antiviral compounds. <i>Natural Product Research</i> , 2022, 36, 4254-4260.	1.0	9
38	Ultrasound-assisted pseudohomogeneous tungstate catalyst for selective oxidation of alcohols to aldehydes. <i>Scientific Reports</i> , 2022, 12, 3367.	1.6	9
39	<i>N</i> -Isocyaniminotriphenylphosphorane (Ph ₃ PNNC) as a metal-free catalyst for the synthesis of functionalized isoindoline-1-ones. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 952-957.	0.8	8
40	Design and Preparation of Copper(II) Mesalamine Complex Functionalized on Silica-Coated Magnetite Nanoparticles and Study of Its Catalytic Properties for Green and Multicomponent Synthesis of Highly Substituted 4-H-Chromenes and Pyridines. <i>ACS Omega</i> , 2022, 7, 14972-14984.	1.6	7
41	<i>N</i> -isocyaniminotriphenylphosphorane (Ph ₃ PNNC) as an efficient reagent for the synthesis of ferrocene-containing 1,3,4-oxadiazole derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 908-912.	0.8	5
42	Screening of honey bee pollen constituents against COVID-19: an emerging hot spot in targeting SARS-CoV-2-ACE-2 interaction. <i>Natural Product Research</i> , 2023, 37, 974-980.	1.0	5