

Mohammad Reza Poor Heravi

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

407
citations

933447

10
h-index

888059

17
g-index

43
all docs

43
docs citations

43
times ranked

274
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | An efficient synthesis of quinolines derivatives promoted by a room temperature ionic liquid at ambient conditions under ultrasound irradiation via the tandem addition/annulation reaction of o-aminoaryl ketones with 1,2-methylene ketones. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 361-366. | 8.2 | 41 |
| 2 | Intermolecular difunctionalization of alkenes: synthesis of 1,2-hydroxy sulfides. <i>RSC Advances</i> , 2021, 11, 13138-13151. | 3.6 | 33 |
| 3 | Aroyl fluorides: Novel and promising arylating agents. <i>Journal of Fluorine Chemistry</i> , 2021, 248, 109806. | 1.7 | 33 |
| 4 | Oxidative trifluoromethyl(thiol/selenol)ation of terminal alkynes: An overview. <i>Journal of Fluorine Chemistry</i> , 2021, 245, 109762. | 1.7 | 30 |
| 5 | Transition-metal-catalyzed dehydrogenative coupling of alcohols and amines: A novel and atom-economical access to amides. <i>Journal of the Chinese Chemical Society</i> , 2021, 68, 723-737. | 1.4 | 25 |
| 6 | Dichlorosilane adsorption on the Al, Ga, and Zn-doped fullerenes. <i>Monatshefte für Chemie</i> , 2022, 153, 427-434. | 1.8 | 25 |
| 7 | SBA-15 functionalized melamine-pyridine group-supported palladium(0) as an efficient heterogeneous and recyclable nanocatalyst for C-arylation of indoles through Ullmann-type coupling reactions. <i>Applied Organometallic Chemistry</i> , 2015, 29, 334-337. | 3.5 | 22 |
| 8 | Green synthesis and antibacterial, antifungal activities of 4H-pyran, tetrahydro-4H-chromenes and spiro-oxindole derivatives by highly efficient Fe ₃ O ₄ @SiO ₂ @NH ₂ @Pd(OAc) ₂ nanocatalyst. <i>Journal of Molecular Structure</i> , 2022, 1249, 131534. | 3.6 | 19 |
| 9 | Recent trends in the direct oxyphosphorylation of C=C multiple bonds. <i>RSC Advances</i> , 2021, 11, 470-483. | 3.6 | 18 |
| 10 | Progress and recent trends in the direct selenocyanation of (hetero)aromatic C-H bonds. <i>RSC Advances</i> , 2021, 11, 22305-22316. | 3.6 | 13 |
| 11 | Hydroxysulfonylation of alkenes: an update. <i>RSC Advances</i> , 2021, 11, 21651-21665. | 3.6 | 13 |
| 12 | One-pot, four-component synthesis of novel biologically important indeno[2,3-b]quinoxaline-3-carbonitriles in fluoro-alcohols under ultrasound irradiation. <i>Research on Chemical Intermediates</i> , 2017, 43, 4265-4282. | 2.7 | 12 |
| 13 | Recent advances in direct trifluoromethylselenolation of C-H bonds. <i>Journal of Fluorine Chemistry</i> , 2021, 252, 109901. | 1.7 | 10 |
| 14 | 2-Aminoisoindoline-1,3-Dione-Functionalized Fe ₃ O ₄ /Chloro-Silane Core-Shell Nanoparticles as Reusable Catalyst: An Efficient Heterogeneous Magnetic Nanoparticles for Synthesis of 4-H-Pyran Derivatives through Multicomponent Reaction. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 4561-4577. | 2.6 | 9 |
| 15 | PANI-Fe ₃ O ₄ @ZnO nanocomposite as magnetically recoverable organometallic nanocatalyst promoted synthesis of new Azo chromene dyes and evaluation of their antioxidant and antimicrobial activities. <i>Molecular Diversity</i> , 2021, , 1. | 3.9 | 9 |
| 16 | Electronic sensors for alkali and alkaline earth cations based on Fullerene-C60 and silicon doped on C60 nanocages: a computational study. <i>Journal of Molecular Modeling</i> , 2022, 28, 148. | 1.8 | 9 |
| 17 | Synthesis of new 4,6-diaryl-2-(arythio)nicotinonitriles in Triton X-100 aqueous micellar media. <i>Chinese Chemical Letters</i> , 2015, 26, 263-266. | 9.0 | 8 |
| 18 | Characterization of novel pyridine-derived heterocyclic silylenes via density functional theory perspective. <i>Journal of the Chinese Chemical Society</i> , 2021, 68, 1405-1412. | 1.4 | 8 |

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|----|--|-----|-----------|
| 19 | Effective preparation of 5,5- C^{TM} -(arylmethylene)bis(4-hydroxythiazole-2(3H)-one) in an aqueous fluoroalcohol solvent system under ultrasound irradiation at room temperature. Chinese Chemical Letters, 2017, 28, 1039-1043. | 9.0 | 7 |
| 20 | Alkylative/arylative carboxylation of unsaturated hydrocarbons utilizing CO ₂ as C1 synthon: An update. Journal of CO ₂ Utilization, 2021, 52, 101664. | 6.8 | 7 |
| 21 | Recent trends in dehydroxylative trifluoro-methylation, -methoxylation, -methylthiolation, and -methylselenylation of alcohols. RSC Advances, 2021, 11, 39593-39606. | 3.6 | 7 |
| 22 | Substitution effects via aromaticity, polarizability, APT, AIM, IR analysis, and hydrogen adsorption in C ₂₀ -nTi nanostructures: a DFT survey. Journal of Molecular Modeling, 2021, 27, 348. | 1.8 | 6 |
| 23 | Boric Acid Catalyzed Convenient Synthesis of Benzimidazoles in Aqueous Media. Journal of Chemistry, 2013, 2013, 1-5. | 1.9 | 5 |
| 24 | Synthesis of Novel Biologically Important 5-Amino-2-Oxo-7-Aryl-3,7-Dihydro-2 <i>H</i> -Pyrano[2,3-d]Thiazole-6-Carbonitriles in Trifluoroethanol (TFE) under Ultrasound Irradiation Condition and Their Antimicrobial Activity. Polycyclic Aromatic Compounds, 2021, 41, 2263-2273. | 2.6 | 5 |
| 25 | Novel ZrOCl ₂ ·8H ₂ O-Catalysed One-Pot Multicomponent Synthesis of 9,10-Dihydro-8H-benzo[a]xanthen-11(12H)-one Derivatives. Organic Chemistry International, 2013, 2013, 1-5. | 1.0 | 4 |
| 26 | Density functional theory studies on C ₂₀ with substitutional Tin impurities. Journal of Molecular Modeling, 2022, 28, 62. | 1.8 | 4 |
| 27 | Efficient Knoevenagel Condensation Reactions Catalyzed by Activated Gel Zirconium(IV) Oxide. Journal of Chemistry, 2013, 2013, 1-5. | 1.9 | 3 |
| 28 | The interaction between ethionamide and pristine, Si-, Ga-, and Al-doped boron nitride nanoflakes: A computational study. Journal of Sulfur Chemistry, 2022, 43, 78-94. | 2.0 | 3 |
| 29 | One-pot of Three-component Synthesis of Novel Biologically Important 5-Amino-1,3-diaryl-1H-pyrazole-4-carbonitriles Using L-Proline Catalyst and their Antimicrobial Activity. Letters in Organic Chemistry, 2019, 16, 922-930. | 0.5 | 3 |
| 30 | Study the Nature of the Interaction Between 5-Fluorouracil Anti-cancer Drug and Zinc Oxide Nanocage. Brazilian Journal of Physics, 2022, 52, 1. | 1.4 | 3 |
| 31 | Novel One-Pot Pseudo-Five-Component Green Synthesis and Biological Activities <i>In Vitro</i> of 5,5- C^2 -(Arylmethylene)Bis(4-Hydroxythiazol-2(3 <i>H</i>)-One) Using Triton-X-100 as High Efficient Catalytic System. Polycyclic Aromatic Compounds, 2023, 43, 2540-2552. | 2.6 | 3 |
| 32 | Strategies for the direct oxidative esterification of thiols with alcohols. RSC Advances, 2022, 12, 14521-14534. | 3.6 | 3 |
| 33 | Substituent effects of fused Hammick silylenes via density functional theory survey. Journal of Physical Organic Chemistry, 0, , e4264. | 1.9 | 2 |
| 34 | Molecular simulation of the paracetamol drug interaction with Pt-decorated BC ₃ graphene-like nanosheet. Molecular Simulation, 2022, 48, 517-525. | 2.0 | 2 |
| 35 | Adsorption of <i>syn</i> -propanethial <i>S</i> -oxide on the Zn ₁₂ O ₁₂ cluster: insights from ab-initio modelling. Journal of Sulfur Chemistry, 2021, 42, 308-321. | 2.0 | 1 |
| 36 | Quantum chemical studies of mercaptan gas detection with calcium oxide nanocluster. Journal of Molecular Modeling, 2021, 27, 345. | 1.8 | 1 |

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|----|---|-----|-----------|
| 37 | A theoretical survey on the chlorine dioxide (ClO ₂) and its decomposed species detection by the AlN nanotube in presence of environmental gases. <i>Monatshefte für Chemie</i> , 2022, 153, 21-29. | 1.8 | 1 |
| 38 | An Efficient Synthesis of Bis-indolylindane-1,3-diones, Indan-1,3-diones, and Indene-1,3(2H)-diones Using [Hbim]BF ₄ Ionic Medium. <i>ISRN Organic Chemistry</i> , 2013, 2013, 1-8. | 1.0 | 0 |
| 39 | A computational perspective of novel N-heterocyclic silylenes using density functional theory. <i>Journal of Physical Organic Chemistry</i> , 2021, 34, e4197. | 1.9 | 0 |
| 40 | Investigation of fused remote N-heterocyclic silylenes (frNHSis), at DFT. <i>Journal of Molecular Modeling</i> , 2021, 27, 299. | 1.8 | 0 |
| 41 | The effects of heteroatom substituents on structure, stability, and electronic properties of remote N-heterocyclic germynes (rNHGs), at DFT. <i>Journal of Physical Organic Chemistry</i> , 0, , . | 1.9 | 0 |
| 42 | Solvent effect on cycloaddition of C ₂₀ nanofullerene with indoline-2-one, at DFT. <i>Journal of Physical Organic Chemistry</i> , 0, , . | 1.9 | 0 |
| 43 | Stereoselective cycloaddition of biologically active thioindoline with the smallest nanocage in gas phase versus solution via density functional theory. <i>Journal of Physical Organic Chemistry</i> , 2022, 35, . | 1.9 | 0 |