

Saba Hemmati

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,666
citations

186265

28
h-index

223800

46
g-index

46
all docs

46
docs citations

46
times ranked

2020
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis and characterization of silver nanoparticles using <i>Fritillaria</i> flower extract and their antibacterial activity against some human pathogens. <i>Polyhedron</i> , 2019, 158, 8-14.	2.2	232
2	In situ decorated Pd NPs on chitosan-encapsulated Fe ₃ O ₄ /SiO ₂ -NH ₂ as magnetic catalyst in Suzuki-Miyaura coupling and 4-nitrophenol reduction. <i>Carbohydrate Polymers</i> , 2020, 235, 115966.	10.2	169
3	Preparation of polydopamine sulfamic acid-functionalized magnetic Fe ₃ O ₄ nanoparticles with a core/shell nanostructure as heterogeneous and recyclable nanocatalysts for the acetylation of alcohols, phenols, amines and thiols under solvent-free conditions. <i>Green Chemistry</i> , 2016, 18, 6337-6348.	9.0	140
4	In situ green synthesis of Ag nanoparticles on herbal tea extract (<i>Stachys lavandulifolia</i>)-modified magnetic iron oxide nanoparticles as antibacterial agent and their 4-nitrophenol catalytic reduction activity. <i>Materials Science and Engineering C</i> , 2018, 90, 57-66.	7.3	127
5	Silver nanoparticles decorated on thiol-modified magnetite nanoparticles (Fe ₃ O ₄ /SiO ₂ -Pr-S-Ag) as a recyclable nanocatalyst for degradation of organic dyes. <i>Materials Science and Engineering C</i> , 2019, 97, 624-631.	7.3	119
6	In situ biogenic synthesis of Pd nanoparticles over reduced graphene oxide by using a plant extract (<i>Thymra spicata</i>) and its catalytic evaluation towards cyanation of aryl halides. <i>Materials Science and Engineering C</i> , 2019, 104, 109919.	7.3	104
7	Sonochemical in situ immobilization of Pd nanoparticles on green tea extract coated Fe ₃ O ₄ nanoparticles: An efficient and magnetically recyclable nanocatalyst for synthesis of biphenyl compounds under ultrasound irradiations. <i>Materials Science and Engineering C</i> , 2019, 98, 584-593.	7.3	102
8	Green and effective route for the synthesis of monodispersed palladium nanoparticles using herbal tea extract (<i>Stachys lavandulifolia</i>) as reductant, stabilizer and capping agent, and their application as homogeneous and reusable catalyst in Suzuki coupling reactions in water. <i>Applied Organometallic Chemistry</i> , 2015, 29, 26-32.	3.5	97
9	In situ immobilized palladium nanoparticles on surface of poly-methylidopa coated-magnetic nanoparticles (Fe ₃ O ₄ @PMDA/Pd): A magnetically recyclable nanocatalyst for cyanation of aryl halides with K ₄ [Fe(CN) ₆]. <i>Journal of Catalysis</i> , 2018, 365, 204-212.	6.2	96
10	Biosynthesis of CuO nanoparticles using aqueous extract of herbal tea (<i>Stachys Lavandulifolia</i>) flowers and evaluation of its catalytic activity. <i>Scientific Reports</i> , 2021, 11, 1983.	3.3	94
11	In Situ Immobilized Silver Nanoparticles on <i>Rubia tinctorum</i> Extract-Coated Ultrasmall Iron Oxide Nanoparticles: An Efficient Nanocatalyst with Magnetic Recyclability for Synthesis of Propargylamines by A ³ Coupling Reaction. <i>ACS Omega</i> , 2019, 4, 13991-14003.	3.5	91
12	Green synthesis of palladium nanoparticles using <i>Pistacia atlantica kurdica</i> gum and their catalytic performance in Mizoroki-Heck and Suzuki-Miyaura coupling reactions in aqueous solutions. <i>Applied Organometallic Chemistry</i> , 2015, 29, 517-523.	3.5	86
13	Palladium supported on diaminoglyoxime-functionalized Fe ₃ O ₄ nanoparticles as a magnetically separable nanocatalyst in Heck coupling reaction. <i>Applied Organometallic Chemistry</i> , 2015, 29, 825-828.	3.5	79
14	Immobilization of palladium nanoparticles on Metformin-functionalized graphene oxide as a heterogeneous and recyclable nanocatalyst for Suzuki coupling reactions and reduction of 4-nitrophenol. <i>Polyhedron</i> , 2019, 158, 414-422.	2.2	78
15	Green synthesis and characterization of monodispersed silver nanoparticles obtained using oak fruit bark extract and their antibacterial activity. <i>Applied Organometallic Chemistry</i> , 2016, 30, 387-391.	3.5	75
16	Buchwald-Hartwig C-N cross coupling reactions catalyzed by palladium nanoparticles immobilized on thio modified-multi walled carbon nanotubes as heterogeneous and recyclable nanocatalyst. <i>Materials Science and Engineering C</i> , 2019, 96, 310-318.	7.3	71
17	Palladium immobilized on amidoxime-functionalized magnetic Fe ₃ O ₄ nanoparticles: a highly stable and efficient magnetically recoverable nanocatalyst for sonogashira coupling reaction. <i>Applied Organometallic Chemistry</i> , 2015, 29, 834-839.	3.5	68
18	Fabrication of Pd NPs on pectin-modified Fe ₃ O ₄ NPs: A magnetically retrievable nanocatalyst for efficient C-C and C-N cross coupling reactions and an investigation of its cardiovascular protective effects. <i>International Journal of Biological Macromolecules</i> , 2020, 160, 1252-1262.	7.5	59

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19	Modified magnetic nanoparticles by PEG-400-immobilized Ag nanoparticles (Fe₃O₄@PEG–Ag) as a core/shell nanocomposite and evaluation of its antimicrobial activity. International Journal of Nanomedicine, 2018, Volume 13, 3965-3973.	6.7	57
20	Selective hydrogen peroxide oxidation of sulfides to sulfones with carboxylated multi-walled carbon nano tubes (MWCNTs-COOH) as heterogeneous and recyclable nanocatalysts under organic solvent-free conditions. RSC Advances, 2015, 5, 10152-10158.	3.6	54
21	Synthesis and characterization of nanocrystalline hydroxyapatite and its catalytic behavior towards synthesis of 3,4εdisubstituted isoxazoleε(4H)εones in water. Applied Organometallic Chemistry, 2019, 33, e5118.	3.5	52
22	In Situ Green Synthesis of Pd Nanoparticles on Tannic AcidεModified Magnetite Nanoparticles as a Green Reductant and Stabilizer Agent: Its Application as a Recyclable Nanocatalyst (Fe₃O₄@TA/Pd) for Reduction of 4εNitrophenol and Suzuki Reactions. ChemistrySelect, 2018, 3, 1820-1826.	1.5	51
23	Biosynthesis of gold nanoparticles using <i>Allium noeanum</i> Reut. ex Regel leaves aqueous extract; characterization and analysis of their cytotoxicity, antioxidant, and antibacterial properties. Applied Organometallic Chemistry, 2019, 33, e5189.	3.5	47
24	Bio-inspired synthesis of palladium nanoparticles fabricated magnetic Fe ₃ O ₄ nanocomposite over Fritillaria imperialis flower extract as an efficient recyclable catalyst for the reduction of nitroarenes. Scientific Reports, 2021, 11, 4515.	3.3	45
25	CuCl heterogenized on metformine-modified multi walled carbon nanotubes as a recyclable nanocatalyst for Ullmann-type CεO and CεN coupling reactions. New Journal of Chemistry, 2018, 42, 2782-2789.	2.8	41
26	Green synthesis of silver nanoparticles based on oil-water interface method with essential oil of orange peel and its application as nanocatalyst for A3 coupling. Materials Science and Engineering C, 2019, 105, 110031.	7.3	38
27	Pd immobilized on modified magnetic Fe ₃ O ₄ nanoparticles: Magnetically recoverable and reusable Pd nanocatalyst for Suzuki-Miyaura coupling reactions and Ullmann-type N-arylation of indoles. Journal of Chemical Sciences, 2016, 128, 1157-1162.	1.5	33
28	Biosynthesis of the silver nanoparticles on the graphene oxideεTM's surface using Pistacia atlantica leaves extract and its antibacterial activity against some human pathogens. Polyhedron, 2019, 161, 338-345.	2.2	33
29	Green synthesis of palladium nanoparticles using <sc><i>Hibiscus sabdariffa</i></sc> L. flower extract: Heterogeneous and reusable nanocatalyst in Suzuki coupling reactions. Applied Organometallic Chemistry, 2017, 31, e3757.	3.5	30
30	Biosynthesis and chemical characterization of polydopamineεcapped silver nanoparticles for the treatment of acute myeloid leukemia in comparison to doxorubicin in a leukemic mouse model. Applied Organometallic Chemistry, 2020, 34, e5277.	3.5	26
31	An efficient, mild and selective Ullmannεtype <i>N</i>εarylation of indoles catalysed by Pd immobilized on amidoximeεfunctionalized mesoporous SBAε15 as heterogeneous and recyclable nanocatalyst. Applied Organometallic Chemistry, 2015, 29, 195-199.	3.5	25
32	Synthesis of 2,5-Dimethyl-<i>N</i>-substituted Pyrroles Catalyzed by Diethylenetriaminepentaacetic Acid Supported on Fe₃O₄ Nanoparticles. Organic Preparations and Procedures International, 2018, 50, 465-481.	1.3	25
33	Green synthesis and chemical characterization of <sc><i>Thymus vulgaris</i></sc> leaf aqueous extract conjugated gold nanoparticles for the treatment of acute myeloid leukemia in comparison to doxorubicin in a leukemic mouse model. Applied Organometallic Chemistry, 2020, 34, e5267.	3.5	25
34	Application of biosynthesized palladium nanoparticles (Pd NPs) on <sc><i>Rosa canina</i></sc> <i>fruit</i> extractεmodified graphene oxide as heterogeneous nanocatalyst for cyanation of aryl halides. Applied Organometallic Chemistry, 2019, 33, e5103.	3.5	24
35	Biosynthesis of silver nanoparticles using oak leaf extract and their application for electrochemical sensing of hydrogen peroxide. Applied Organometallic Chemistry, 2018, 32, e4537.	3.5	23
36	Preparation and synthesis a new chemotherapeutic drug of silver nanoparticleεchitosan composite; Chemical characterization and analysis of their antioxidant, cytotoxicity, and antiεacute myeloid leukemia effects in comparison to Daunorubicin in a leukemic mouse model. Applied Organometallic Chemistry, 2020, 34, e5274.	3.5	23

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37	Application of copper nanoparticles containing natural compounds in the treatment of bacterial and fungal diseases. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5465.	3.5	21
38	Cu(I)-anchored polyvinyl alcohol coated magnetic nanoparticles as heterogeneous nanocatalyst in Ullmann-type C-N coupling reactions. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5611.	3.5	20
39	Palladium nanoparticles immobilized over Strawberry fruit extract coated Fe ₃ O ₄ NPs: A magnetic reusable nanocatalyst for Suzuki-Miyaura coupling reactions. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5653.	3.5	18
40	Decoration of silver nanoparticles on multi-walled carbon nanotubes: Investigation of its anti-leukemia property against acute myeloid leukemia and acute T cell leukemia. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5476.	3.5	16
41	Fe ₃ O ₄ @PEG core/shell nanoparticles as magnetic nanocatalyst for acetylation of amines and alcohols using ultrasound irradiations under solvent-free conditions. <i>Research on Chemical Intermediates</i> , 2019, 45, 507-520.	2.7	15
42	Application of 1,4-bis(3-methylimidazolium-1-yl)butane ditribromide [bmImB] ⁺ (Br ⁻) ₂ ionic liquid reagent for selective oxidation of sulfides to sulfoxides. <i>RSC Advances</i> , 2015, 5, 70265-70270.	3.6	12
43	Palladium nanoparticles decorated triethanolammonium chloride ionic liquid modified TiO ₂ nanoparticles (TiO ₂ /IL-Pd): A highly active and recoverable catalyst for Suzuki-Miyaura cross-coupling reaction in aqueous medium. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4909.	3.5	9
44	One-pot tandem reactions for direct conversion of thiols and disulfides to sulfonic esters, and Paal-Knorr synthesis of pyrrole derivatives catalyzed by TCCA. <i>Journal of Sulfur Chemistry</i> , 2013, 34, 347-357.	2.0	6
45	Suzuki-Miyaura coupling catalyzed by palladium nanoparticles biosynthesized using <i>Glycyrrhiza glabra</i> as reducing and stabilizing agent. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4138.	3.5	6