

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	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, 19883.	3.3	94
2	Bio-inspired synthesis of palladium nanoparticles fabricated magnetic Fe ₃ O ₄ nanocomposite over <i>Fritillaria imperialis</i> flower extract as an efficient recyclable catalyst for the reduction of nitroarenes. <i>Scientific Reports</i> , 2021, 11, 4515.	3.3	45
3	Preparation and synthesis a new chemotherapeutic drug of silver nanoparticle-chitosan composite; Chemical characterization and analysis of their antioxidant, cytotoxicity, and anti-acute myeloid leukemia effects in comparison to Daunorubicin in a leukemic mouse model. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5274.	3.5	23
4	Biosynthesis and chemical characterization of polydopamine-capped silver nanoparticles for the treatment of acute myeloid leukemia in comparison to doxorubicin in a leukemic mouse model. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5277.	3.5	26
5	Green synthesis and chemical characterization of <i>Thymus vulgaris</i> leaf aqueous extract conjugated gold nanoparticles for the treatment of acute myeloid leukemia in comparison to doxorubicin in a leukemic mouse model. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5267.	3.5	25
6	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
7	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
8	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
9	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
10	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
11	Decoration of silver nanoparticles on multi-walled carbon nanotubes: Investigation of its anti-acute leukemia property against acute myeloid leukemia and acute T cell leukemia. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5476.	3.5	16
12	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
13	Synthesis and characterization of nanocrystalline hydroxyapatite and its catalytic behavior towards synthesis of 3,4-disubstituted isoxazole-5(4H)-ones in water. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5118.	3.5	52
14	Application of biosynthesized palladium nanoparticles (Pd NPs) on <i>Rosa canina</i> fruit extract-modified graphene oxide as heterogeneous nanocatalyst for cyanation of aryl halides. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5103.	3.5	24
15	Green synthesis of silver nanoparticles based on oil-water interface method with essential oil of orange peel and its application as nanocatalyst for A ³ coupling. <i>Materials Science and Engineering C</i> , 2019, 105, 110031.	7.3	38
16	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
17	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. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5189.	3.5	47
18	Biosynthesis of the silver nanoparticles on the graphene oxide-TMs surface using <i>Pistacia atlantica</i> leaves extract and its antibacterial activity against some human pathogens. <i>Polyhedron</i> , 2019, 161, 338-345.	2.2	33

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19	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
20	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
21	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
22	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
23	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
24	Green synthesis and characterization of silver nanoparticles using Fritillaria flower extract and their antibacterial activity against some human pathogens. <i>Polyhedron</i> , 2019, 158, 8-14.	2.2	232
25	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
26	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
27	In Situ Green Synthesis of Pd Nanoparticles on Tannic Acid Modified Magnetite Nanoparticles as a Green Reductant and Stabilizer Agent: Its Application as a Recyclable Nanocatalyst (Fe ₃ O ₄ @TA/Pd) for Reduction of 4-Nitrophenol and Suzuki Reactions. <i>ChemistrySelect</i> , 2018, 3, 1820-1826.	1.5	51
28	CuCl heterogenized on metformine-modified multi walled carbon nanotubes as a recyclable nanocatalyst for Ullmann-type O and N coupling reactions. <i>New Journal of Chemistry</i> , 2018, 42, 2782-2789.	2.8	41
29	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
30	Synthesis of 2,5-Dimethyl-N-substituted Pyrroles Catalyzed by Diethylenetriaminepentaacetic Acid Supported on Fe ₃ O ₄ Nanoparticles. <i>Organic Preparations and Procedures International</i> , 2018, 50, 465-481.	1.3	25
31	Biosynthesis of silver nanoparticles using oak leaf extract and their application for electrochemical sensing of hydrogen peroxide. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4537.	3.5	23
32	In situ immobilized palladium nanoparticles on surface of poly-methyl-dopa 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
33	Modified magnetic nanoparticles by PEG-400-immobilized Ag nanoparticles (Fe ₃ O ₄ @PEG-Ag) as a core/shell nanocomposite and evaluation of its antimicrobial activity. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 3965-3973.	6.7	57
34	Green synthesis of palladium nanoparticles using <i>Hibiscus sabdariffa</i> L. flower extract: Heterogeneous and reusable nanocatalyst in Suzuki coupling reactions. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3757.	3.5	30
35	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
36	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. <i>Journal of Chemical Sciences</i> , 2016, 128, 1157-1162.	1.5	33

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37	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
38	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
39	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
40	An efficient, mild and selective Ullmann-type <i>N</i> -arylation of indoles catalysed by Pd immobilized on amidoxime-functionalized mesoporous SBA-15 as heterogeneous and recyclable nanocatalyst. <i>Applied Organometallic Chemistry</i> , 2015, 29, 195-199.	3.5	25
41	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. <i>RSC Advances</i> , 2015, 5, 10152-10158.	3.6	54
42	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
43	Application of 1,4-bis(3-methylimidazolium-1-yl)butane ditribromide [bmImB] ⁺ (Br ₃) ₂ ionic liquid reagent for selective oxidation of sulfides to sulfoxides. <i>RSC Advances</i> , 2015, 5, 70265-70270.	3.6	12
44	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
45	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