



Maasoumeh Jafarpour

Professor

Faculty: Science

Department: Chemistry

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
		Tenured	Full Time	15

Papers in Conferences

1. معصومه جعفرپور، عبدالرضا رضائی فرد، مهري بمانی نائینی، سنتز نانوکاتالیزور مولیبدن تثبیت شده بر روی سیلیکاژل به وسیله امواج فراصوت و کاربرد آن در واکنش های اکسیداسیون، اولین همایش و کارگاه تخصصی علوم و فناوری نانو، شماره صفحات -، تهران، ۲۰۱۳، ۱۶۰۵ نانو.
2. عبدالرضا رضائی فرد، معصومه جعفرپور، آتنا نعیمی باغینی، حسین کاوسی، سنتز و مطالعه ساختار مولکولی بنزیل تری بوتیل آمونیوم پریدات، نوزدهمین همایش بلورشناسی و کانی شناسی ایران، شماره صفحات -، گرگان، ۲۰۱۱، ۰۷۰۹.
3. عبدالرضا رضائی فرد، معصومه جعفرپور، آتنا نعیمی باغینی، محبوبه علی پور، سنتز و مطالعه ساختار مولکولی کمپلکس شیف باز سه دندانده دی اکسو مولیبدن، نوزدهمین همایش بلورشناسی و کانی شناسی ایران، شماره صفحات -، گرگان، ۲۰۱۱، ۰۷۰۹.
4. Rouhollah Khani, Maasoumeh Jafarpour, Amino acid functionalized chitosan magnetic nano-based particles for selective trace determination of propyl paraben in food and cosmetic samples, سومین کنگره، تهران، 26 08 2020, pp. 0-0, ملی شیمی و نانوشیمی از پژوهش تا فناوری.
5. Mehri Salimi tabas, Maasoumeh Jafarpour, Cull immobilized on aminated Fe₃O₄@cellulose nanofibers (Fe₃O₄@cellulose nanofibers-NH₂-Cull NPs): a novel, bio-based and magnetic nanocatalyst for the synthesis of benzimidazole derivatives, زنجان، 01 09 2018, - , pp. اولین کنفرانس کاتالیست ایران،
6. Mehri Salimi tabas, Maasoumeh Jafarpour, Cobalt nano-particles supported on ethylenediamine functionalized magnetic cellulose nanofibers as a novel and efficient catalyst for oxidation of alcohols, زنجان، 01 09 2018, 18-25, pp. اولین کنفرانس کاتالیست ایران،
7. Maasoumeh Jafarpour, Heterogeneous activation of Oxone by magnetic nanoparticles anchoring Schiff base complexes for water treatment, مشهد، 17 07 2018, 2- , pp. بیستمین کنگره شیمی ایران،
8. Maasoumeh Jafarpour, Non-immobilized water-insoluble Metallosalens as efficient heterogeneous catalyst for degradation of dyes in water, مشهد، 17 07 2018, 1- , pp. بیستمین کنگره شیمی ایران،
9. Maasoumeh Jafarpour, Aerobic photocatalytic synthesis of benzimidazoles by cobalt Schiff base complex coated on TiO₂ nanoparticles under visible light condition, هفتمین کنفرانس بین المللی، تهران، 27 02 2018, 1-3, pp. (ICNS7) نانو ساختارها
10. Maasoumeh Jafarpour, Riboflavin immobilized on the starch-coated maghemite nanoparticles catalyzed heterogeneous aerobic synthesis of N-heterocyclic compounds, هفتمین کنفرانس بین المللی،

تهران, 27 02 2018, pp. 4-6, ICNS7) نانوساختارها

11. Maasoumeh Jafarpour ,Comparative catalytic activity of Mo72Fe30 nanoclusters in the oxidative dyes degradation ,نوزدهمین کنفرانس شیمی معدنی ایران, تهران, 05 09 2017, pp. -
12. Maasoumeh Jafarpour ,Mo72Fe30 nanoclusters catalyzed aerobic oxidative synthesis of benzimidazoles ,نوزدهمین کنفرانس شیمی معدنی ایران, تهران, 05 09 2017, pp. -
13. Maasoumeh Jafarpour,Alireza Farrokhi ,Heterogeneous catalase-like activity of iron (III) based nanoball polyoxomolybdate ,نوزدهمین کنفرانس شیمی معدنی ایران, تهران, 05 09 2017, pp. -
14. Maasoumeh Jafarpour,Alireza Farrokhi ,Oxygen evolution reaction catalyzed by vanadium containing nanosphere polyoxomolybdate ,نوزدهمین کنفرانس شیمی معدنی ایران, تهران, 05 09 2017, pp. -
15. Maasoumeh Jafarpour ,Effect of crystallinity of Mo72Fe30 nanocluster on its catalytic action ,مشهد, 07 03 2017, pp. -
16. Maasoumeh Jafarpour ,Photocatalytic activity of Keplerate polyoxometalates A comparative study on dys degradation ,مشهد, 07 03 2017, pp. -
17. Maasoumeh Jafarpour ,Catalytic Application pantothenic acid (vitamin B5) immobilized on the starch coated magnetic nanoparticles in condensation reactions ,شیراز, 20 02 2017, pp. -
18. Maasoumeh Jafarpour ,TiO2 Nanoparticles Coated with Iron Ascorbic acid Complex as an Effective Heterogeneous Photocatalyst for Aerobic Oxidation of Benzylic alcohols ,نوزدهمین کنفرانس شیمی ایران, شیراز, 20 02 2017, pp. -
19. Maasoumeh Jafarpour ,The selective benzylic C H bond oxidation in alkane and alcohol with molecular oxygen using a new efficient catalytic system N-Hydroxyphthalimide (NHPI) combined with CoL2 SMNP ,سمنان, 30 08 2015, pp. 434-434
20. Maasoumeh Jafarpour ,Synthesis and structural characterization of a novel cobalt schiff base complex immobilized on starch coated maghemite nanoparticles ,سمنان, 30 08 2015, pp. 433-433
21. Maasoumeh Jafarpour ,Spherical Mo72V30 keplerate nanocluster as a reusable catalyst for green condensation of 1 2-diamines with carbonyl compounds ,سمنان, 30 08 2015, pp. 397-397
22. Maasoumeh Jafarpour ,An efficient and green method for the synthesis of bis(indolyl)methane derivatives by nanopolyoxometalate in water ,سمنان, 08 2015, pp. 396-396
23. Maasoumeh Jafarpour ,Quantum-Chemical study on the Stacking Interactions between High Valent oxo-Manganese Porphyrin Nanoparticles ,سمنان, 30 08 2015, pp. 263-263
24. Maasoumeh Jafarpour ,Structure and Properties of the Second and Third Generation Manganese-oxo Porphyrins in the Presence of Imidazole A Comparative DFT Study ,سمنان, 30 08 2015, pp. 262-262
25. Maasoumeh Jafarpour ,Synthesis and Characterization of Molybdenum oxide Nanocomposites by a Simple Sol Gel Method ,یزد, 07 09 2013, pp. -
26. Maasoumeh Jafarpour ,A Magnetic Tungstate Nanoparticle as a Highly Recyclable Catalyst for Efficient Synthesis of Quinoxaline Derivatives ,یزد, 09 2013, pp. -
27. Maasoumeh Jafarpour ,Synthesis and Characterization of a Novel Core-Shell Structured Maghemite-Tungstate Nanocomposite ,یزد, 07 09 2013, pp. -
28. Maasoumeh Jafarpour ,Nano m-ZrO2 as an efficient and reusable heterogeneous catalyst for the synthesis of tetrazoles ,یزد, 07 09 2013, pp. -
29. Maasoumeh Jafarpour ,Cationic chitosan supported Nanopolyoxomolybdate as a reusable catalyst for oxidation of sulfides with 30 H2O2 ,یزد, 07 09 2013, pp. -
30. Maasoumeh Jafarpour ,Catalytic Performance of Zr(IV) Complex with Simple Tetradentate Schiff Base Ligand in the Clean Condensation Reactions ,تهران, 28 08 2012, pp. -

31. Maasoumeh Jafarpour ,Design of a Magnetic Recoverable Molybdenum Nano-Catalyst for Selective and Eco-Friendly Olefin Epoxidation ,تهران, 28 08 2012, - pp. ,چهاردهمین کنفرانس شیمی معدنی ایران.
32. Maasoumeh Jafarpour ,Novel Organosilicon Dangling Mo (VI) Complex as Efficient Biomimetic Oxidation Catalyst ,تهران, 28 08 2012, - pp. ,چهاردهمین کنفرانس شیمی معدنی ایران.
33. Maasoumeh Jafarpour ,Monooxygenase-Like Activity of Mn (III) Porphyrin Nanoparticles in Aqueous Oxidation Reactions ,تهران, 28 08 2012, - pp. ,چهاردهمین کنفرانس شیمی معدنی ایران.
34. Maasoumeh Jafarpour ,Heterogeneous Catalytic Oxidative Desulfurization using Nanomagnetite Coated with Manganese Porphyrins ,تهران, 28 08 2012, - pp. ,چهاردهمین کنفرانس شیمی معدنی ایران.
35. Maasoumeh Jafarpour ,Catalytic Activity of Nanobelts of -MoO₃ in the Synthesis of Benzimidazoles under mild conditions ,تهران, 28 08 2012, - pp. ,چهاردهمین کنفرانس شیمی معدنی ایران.
36. Maasoumeh Jafarpour ,Catalytic Synthesis of Quinoxalines and Pyrido Pyrazines Using Nanostructured Oxides as Reusable and Heterogeneous Catalysts ,چهاردهمین کنفرانس شیمی معدنی ایران, pp. - ,28 08 2012, تهران.
37. Maasoumeh Jafarpour ,Nano -Al₂O₃ Catalyzed Heterogeneous Synthesis of Sulfonamides ,تهران, 28 08 2012, - pp. ,چهاردهمین کنفرانس شیمی معدنی ایران.
38. Maasoumeh Jafarpour ,Reusable Zirconium (IV) Schiff base Complex Catalyzed Highly Efficient Synthesis of Heterocyclic Compounds under Mild Conditions ,تهران, 28 08 2012, - pp. ,چهاردهمین کنفرانس شیمی معدنی ایران.
39. Maasoumeh Jafarpour ,Synthesis and Characterization of ZrO₂-SiO₂ Nanocomposite by a Simple Sol Gel Method ,تهران, 28 08 2012, - pp. ,چهاردهمین کنفرانس شیمی معدنی ایران.
40. Maasoumeh Jafarpour ,Synthesis and Characterization of -MoO₃ Nanobelts and Monoclinic Zirconia ,تهران, 28 08 2012, - pp. ,چهاردهمین کنفرانس شیمی معدنی ایران.
41. Maasoumeh Jafarpour ,Tetrahydroxalen Dioxo-Mo (VI) Complex Catalyzed Epoxidation of Olefins with H₂O₂ ,تهران, 28 08 2012, - pp. ,چهاردهمین کنفرانس شیمی معدنی ایران.
42. Maasoumeh Jafarpour ,Pencil-like Copper (II) Phthalocyanine Nanoaggregates as a Highly Recyclable Nano-Catalyst for Oxidation of Alcohols ,تهران, - pp. ,چهاردهمین کنفرانس شیمی معدنی ایران, 28 08 2012,.
43. Maasoumeh Jafarpour ,A Comparative Study on the Oxidation Activity of Mo (VI) Tridentate Salan Complex Supported on Bulk and Nanostructured Silica ,تهران, 28 08 2012, - pp. ,چهاردهمین کنفرانس شیمی معدنی ایران.
44. Maasoumeh Jafarpour ,Synthesis and Characterization of a Novel Core-Shell Structured Magnetite-Porphyrin Organic/Inorganic Nanohybrid ,تهران, 28 08 2012, - pp. ,چهاردهمین کنفرانس شیمی معدنی ایران.
45. Maasoumeh Jafarpour ,Eco-Friendly Preparation of Mn-Porphyrin Nanoparticles using Host Guest Solvents ,تهران, 28 08 2012, - pp. ,چهاردهمین کنفرانس شیمی معدنی ایران.
46. Maasoumeh Jafarpour ,Efficient and highly selective oxygenation of olefins with t-butyl hydroperoxide catalyzed by novel cis-dioxo-Molybdenum (VI) tridentate Schiff base complexes ,کرمانشاه, 07 09 2011, - pp. ,سیزدهمین کنفرانس شیمی معدنی ایران.
47. Maasoumeh Jafarpour ,A solvatochromic study on a novel tridentate Schiff base iron complex ,کرمانشاه, 07 09 2011, - pp. ,سیزدهمین کنفرانس شیمی معدنی ایران.
48. Maasoumeh Jafarpour ,Oxidative degradation of iron(III) porphyrins by oxone under substrate-free conditions ,کرمانشاه, 07 09 2011, - pp. ,سیزدهمین کنفرانس شیمی معدنی ایران.
49. Maasoumeh Jafarpour ,UV-Vis investigation of factors controlling the durability of iron(III) meso-tetraarylporphyrins against NaIO₄ in the presence of nitrogen donors ,سیزدهمین کنفرانس شیمی معدنی, کرمانشاه, 07 09 2011, - pp. ,ایران.
50. Maasoumeh Jafarpour ,Synthesis and oxidation activity of benzyltributylammonium periodate in hydrocarbon oxidation catalyzed by Mn-porphyrins in green media ,کرمانشاه, 07 09 2011, - pp. ,ایران.

1. Maasoumeh Jafarpour, Pinghua Chen, Mengxue Wang, Guifang Li, Hualin Jiang, Guanghui Wu, Bingying Rao, Construction of ZIF-67-On-UiO-66 Catalysts as a Platform for Efficient Overall Water Splitting, *Inorganic Chemistry*, Vol. 46, No. 61, pp. 18424-18433, 2022, JCR, Scopus.
2. Maasoumeh Jafarpour, TiO₂ nanoparticles decorated with Co-Schiff base-g-C₃N₄ as an efficient photocatalyst for one-pot visible light-assisted synthesis of benzimidazoles, *RSC Advances*, Vol. 35, No. 12, pp. 22526-22541, 2022, ISI, JCR, Scopus.
3. Grzhegorzhevskii, Maasoumeh Jafarpour, Rouhollah Khani, Melem Nanorectangular Prism-Modified {Mo₇₂Fe₃₀} Nanocapsule as a Visible-Light-Assisted Photocatalyst for Catalase-Like Activity, *ACS Applied Nano Materials*, Vol. 6, No. 5, pp. 7917-7931, 2022, ISI, JCR, Scopus.
4. معصومه جعفرپور، محمدرضا طحان، فیض پور فهیمه، عبدالرضا رضائی فرد، زعفران تثبیت شده بر بستر نانوذرات مغناطیسی کاتالیزوری سبز و کارآمد در سنتز مشتقات کوئیناکسالین ها، پژوهش های زعفران، مجلد ۶، شماره ۱، شماره ۱۲۶، ۲۰۱۸-۱۱۵، صفحات، ISC.
5. معصومه جعفرپور، فهیمه فیض پور، عبدالرضا رضائی فرد، مهرداد پورطهماسب، سنتز سبز و کارآمد مشتقات کوئیناکسالین و پیریدوپیرازین با استفاده از آسکوربیک اسید تثبیت شده بر بستر نانوذرات مغناطیسی، نانو مقیاس، مجلد ۵، شماره ۱، شماره ۱۱۷، ۲۰۱۸-۱۰۷، صفحات، ISC.
6. علیرضا فرخی لاشیدانی، معصومه جعفرپور، بیس فسفونیک اسید بعنوان یک کاتالیزور آلی ناهمگن برای سنتز مشتقات، ISC، ایندولی، پژوهشهای شیمی، مجلد ۱، شماره ۱، شماره ۴۰، ۲۰۱۸-۴۰، صفحات، ISC.
7. masoomeh rezaei, Maasoumeh Jafarpour, Pinghua Chen, Hualin Jiang, Enhanced Visible-Light-Induced Photocatalytic Activity in M(III)Salophen-Decorated TiO₂ Nanoparticles for Heterogeneous Degradation of Organic Dyes, *Acs Omega*, Vol. 4, No. 8, pp. 3821-3834, 2023, JCR, Scopus.
8. Maasoumeh Jafarpour, Kirill V. Grzhegorzhevskii, Tetrahedral Keggin Core Tunes the Visible Light-Assisted Catalase-Like Activity of Icosahedral Keplerate Shell, *Inorganic Chemistry*, Vol. 20, No. 61, pp. 7878-7889, 2022, JCR, Scopus.
9. Maasoumeh Jafarpour, Cu(II)-vitamin C-complex catalyzed photo-induced homocoupling reaction of aryl boronic acid in base-free and visible light conditions, *RSC Advances*, Vol. 8, No. 12, pp. 4931-4938, 2022, ISI, JCR, Scopus.
10. Maasoumeh Jafarpour, „A top-down design for easy gram scale synthesis of melem nano rectangular prisms with improved surface area, *RSC Advances*, Vol. 61, No. 11, pp. 38862-38867, 2021, ISI, JCR, Scopus.
11. Maasoumeh Jafarpour, „Tandem Photocatalysis Protocol for Hydrogen Generation/Olefin Hydrogenation Using Pd-g-C₃N₄-Imine/TiO₂ Nanoparticles, *Inorganic Chemistry*, Vol. 13, No. 60, pp. 9484-9495, 2021, JCR, Scopus.
12. Maasoumeh Jafarpour, Copper(II)-Ethanamine Triazine Complex on Chitosan-Functionalized Nanomagemite for Catalytic Aerobic Oxidation of Benzylic Alcohols, *Catalysis Letters*, Vol. 1, No. 151, pp. 45-55, 2021, JCR, Scopus.
13. Maasoumeh Jafarpour, Silica iminopyridine-functionalized nanomagemite enhances the oxygenation activity and durability of simple Co(II) salophen complex, *Applied Organometallic Chemistry*, Vol. 4, No. 34, pp. 5535-5544, 2020, JCR, Scopus.
14. Maasoumeh Jafarpour, Alireza Farrokhi, {Mo₇₂Fe₃₀} Nanoclusters for the Visible-Light-Driven Photocatalytic Degradation of Organic Dyes, *ACS Applied Nano Materials*, Vol. 1, No. 3, pp. 648-657, 2020, Scopus.
15. Maasoumeh Jafarpour, A Star-Shaped Triazine-Based Vitamin B5 Copper(II) Nanocatalyst for Tandem Aerobic Synthesis of Bis- (indolyl)methanes, *European Journal of Organic Chemistry*, Vol. 27, No. 2020, pp. 4122-4129, 2020, JCR, Scopus.
16. Maasoumeh Jafarpour, Cu(II) vitamin C tunes photocatalytic activity of TiO₂ nanoparticles for visible light-driven aerobic oxidation of benzylic alcohols, *RSC Advances*, Vol. 20, No. 10, pp. 12053-12059, 2020, ISI, JCR, Scopus.
17. Maasoumeh Jafarpour, A nanoscopic icosahedral {Mo₇₂Fe₃₀} cluster catalyzes the aerobic synthesis of benzimidazoles, *RSC Advances*, Vol. 60, No. 9, pp. 34854-34861, 2019, ISI, JCR, Scopus.
18. Alireza Farrokhi, Maasoumeh Jafarpour, Highly selective and efficient oxidation of benzylic alcohols

- with sulfate radical over metal-organic frameworks, *Journal of Organometallic Chemistry*, Vol. 1, No. 903, pp. 120995-120996, 2019, JCR.Scopus.
19. Maasoumeh Jafarpour, Band Gap Modification of TiO₂ Nanoparticles by Ascorbic Acid- Stabilized Pd Nanoparticles for Photocatalytic Suzuki–Miyaura and Ullmann Coupling Reactions, *Catalysis Letters*, Vol. 6, No. 149, pp. 1595-1610, 2019, JCR.Scopus.
 20. Maasoumeh Jafarpour, Mehri Salimi tabas, Supramolecular photocatalyst of Palladium (II) Encapsulated within Dendrimer on TiO₂ nanoparticles for Photo-induced Suzuki-Miyaura and Sonogashira Cross- Coupling reactions, *Applied Organometallic Chemistry*, Vol. 10, No. 33, pp. 5093-5101, 2019, JCR.Scopus.
 21. Maasoumeh Jafarpour, Heterogeneous Fenton-like activity of novel metallosalophen magnetic nanocomposites: significant anchoring group effect, *RSC Advances*, Vol. 57, No. 9, pp. 32966-32976, 2019, ISI.JCR.Scopus.
 22. Maasoumeh Jafarpour, Aerobic {Mo₇₂V₃₀} nanocluster catalysed heterogeneous one-pot tandem synthesis of benzimidazoles, *Applied Organometallic Chemistry*, Vol. 2, No. 33, pp. 4638-4646, 2019, JCR.Scopus.
 23. Alireza Farrokhi, Maasoumeh Jafarpour, A Cooperative Effect in a Novel Bimetallic Mo-V Nanocomplex Catalyzed Selective Aerobic C-H Oxidation, *Acs Omega*, Vol. 4, No. 4, pp. 3601-3610, 2019, JCR.Scopus.
 24. Alireza Farrokhi, Alipour Mahbobeh, Maasoumeh Jafarpour, Solar-driven advanced oxidation process catalyzed by metal-organic frameworks for water depollution, *Polyhedron*, Vol. 170, No. 170, pp. 325-333, 2019, JCR.Scopus.
 25. Maasoumeh Jafarpour, Palladium Niacin Complex Immobilized on Starch-Coated Maghemite Nanoparticles as an Efficient Homo- and Cross-coupling Catalyst for the Synthesis of Symmetrical and Unsymmetrical Biaryls, *Catalysis Letters*, Vol. 148, pp. 3165-3177, 2018, JCR.Scopus.
 26. Alireza Farrokhi, Maasoumeh Jafarpour, Magnetic Bisphosphonic Acid Nanohybrid Catalyzed Heterogeneous Synthesis of Heterocycles, *ChemistrySelect*, Vol. 3, No. 4, pp. 1234-1241, 2018, JCR.
 27. Maasoumeh Jafarpour, Nickel(ii) riboflavin complex as an efficient nanobiocatalyst for heterogeneous and sustainable oxidation of benzylic alcohols and sulfides, *New Journal of Chemistry*, Vol. 42, pp. 7383-7391, 2018, JCR.Scopus.
 28. Maasoumeh Jafarpour, Screening of different interactions in oxo-manganese porphyrin dimers containing axial N-donor ligands a theoretical study, *RSC Advances*, Vol. 8, pp. 9770-9774, 2018, ISI.JCR.Scopus.
 29. Alireza Farrokhi, Maasoumeh Jafarpour, Visible-light driven catalase-like activity of blackberry-shaped Mo₇₂Fe₃₀ nanovesicles combined kinetic and mechanistic studies, *Catalysis Science & Technology*, Vol. 8, pp. 4645-4656, 2018, JCR.Scopus.
 30. Maasoumeh Jafarpour, Mehri Salimi tabas, A dendritic TiO₂Co(ii) nanocomposite based on the melamine catalyzed one-pot aerobic photocatalytic synthesis of benzimidazoles, *New Journal of Chemistry*, Vol. 42, pp. 6449-6456, 2018, JCR.Scopus.
 31. Maasoumeh Jafarpour, A Tandem Aerobic Photocatalytic Synthesis of Benzimidazoles by Cobalt Ascorbic Acid Complex Coated on TiO₂ Nanoparticles Under Visible Light, *Catalysis Letters*, Vol. 148, pp. 30-40, 2018, JCR.Scopus.
 32. Maasoumeh Jafarpour, A photoinduced cross-dehydrogenative-coupling (CDC) reaction between aldehydes and N-hydroxyimides by a TiO₂Co ascorbic acid nanohybrid under visible light irradiation, *New Journal of Chemistry*, Vol. 42, No. 2, pp. 807-811, 2018, JCR.Scopus.
 33. Maasoumeh Jafarpour, Iron Ascorbic Acid Complex Coated TiO₂ Nanoparticles Enhancing Visible-Light Oxidation Performance, *ChemistrySelect*, Vol. 2, pp. 2901-2909, 2017, JCR.
 34. Maasoumeh Jafarpour, Selective aerobic benzylic CH oxidation co-catalyzed by N-hydroxyphthalimide and Keplerate Mo₇₂V₃₀ nanocluster, *RSC Advances*, Vol. 7, pp. 15754-15761, 2017, ISI.JCR.Scopus.
 35. Maasoumeh Jafarpour, Mo₇₂Cr₃₀ nanocluster as a novel self-separating catalyst for hydrogen

- peroxide olefin epoxidation, *Catalysis Communications*, Vol. 95, pp. 88-91, 2017, JCR.Scopus.
36. Alireza Farrokhi, Maasoumeh Jafarpour, Phosphonate-based Metal Organic Frameworks as Robust Heterogeneous Catalysts for TBHP Oxidation of Benzylic Alcohols, *Catalysis Letters*, Vol. 147, No. 7, pp. 1714-1721, 2017, JCR.Scopus.
37. Maasoumeh Jafarpour, Aerobic Photocatalytic Oxidation of Olefins on a TiO₂ CoAscorbic Acid Nanohybrid (highlight), *synfacts*, Vol. 13, No. 4, pp. 433-433, 2017.
38. Maasoumeh Jafarpour, Aerobic Stereoselective Oxidation of Olefins on a Visible-Light-Irradiated Titanium Dioxide Cobalt Ascorbic Acid Nanohybrid, *Synlett*, Vol. 28, No. 2, pp. 235-238, 2017, JCR.Scopus.
39. Maasoumeh Jafarpour, A synergistic effect of a cobalt Schiff base complex and TiO₂ nanoparticles on aerobic olefin epoxidation (communication), *RSC Advances*, Vol. 6, No. 82, pp. 79085-79089, 2016, ISI.JCR.Scopus.
40. Maasoumeh Jafarpour, Cobalt/Titania-Catalyzed Aerobic Oxidation of Alcohols and Alkanes, *synfacts*, Vol. 12, No. 6, pp. 652-2016.
41. Maasoumeh Jafarpour, Alireza Farrokhi, Enhanced aqueous oxidation activity and durability of simple manganese(III) salen complex axially anchored to maghemite nanoparticles, *RSC Advances*, Vol. 6, pp. 64640-64650, 2016, ISI.JCR.Scopus.
42. Maasoumeh Jafarpour, A cobalt Schiff base complex on TiO₂ nanoparticles as an effective synergistic nanocatalyst for aerobic C-H oxidation, *RSC Advances*, Vol. 6, pp. 25034-25046, 2016, ISI.JCR.Scopus.
43. Maasoumeh Jafarpour, Aerobic benzylic C-H oxidation catalyzed by a titania-based organic inorganic nanohybrid, *RSC Advances*, Vol. 6, pp. 54649-54660, 2016, ISI.JCR.Scopus.
44. Maasoumeh Jafarpour, A zirconium Schiff base complex immobilized on starch-coated maghemite nanoparticles catalyzes heterogeneous condensation of 1,2-diamines with 1,2-dicarbonyl compounds, *Transition Metal Chemistry*, Vol. 41, No. 2, pp. 205-211, 2016, JCR.Scopus.
45. Maasoumeh Jafarpour, Starch-coated maghemite nanoparticles functionalized by a novel cobalt Schiff base complex catalyzes selective aerobic benzylic C-H oxidation, *RSC Advances*, Vol. 5, pp. 38460-38469, 2015, ISI.JCR.Scopus.
46. Maasoumeh Jafarpour, Dioxomolybdenum(VI) complex immobilized on ascorbic acid coated TiO₂ nanoparticles catalyzed heterogeneous oxidation of olefins and sulfides, *green chemistry*, Vol. 17, pp. 442-452, 2015, JCR.isc.Scopus.
47. Maasoumeh Jafarpour, Significant hydrogen-bonding effect on the reactivity of high-valent manganese(V) oxo porphyrins in C-H bond activation A DFT study, *Journal of Porphyrins and Phthalocyanines*, Vol. 19, pp. 1197-1203, 2015, JCR.Scopus.
48. Maasoumeh Jafarpour, Stereoelectronic effects of porphyrin ligand on the oxygen transfer efficiency of high valent manganese-oxo porphyrin species A DFT study, *Journal of Porphyrins and Phthalocyanines*, Vol. 19, pp. 1130-1139, 2015, JCR.Scopus.
49. Maasoumeh Jafarpour, Clean and Heterogeneous Condensation of 1,2-Diamines with 1,2-Dicarbonyls Catalyzed by Mo¹³² Giant Ball Nanocluster, *Journal of Cluster Science*, Vol. 26, pp. 1439-1450, 2015, JCR.Scopus.
50. Maasoumeh Jafarpour, Alireza Farrokhi, A Selective and Sustainable Sulfoxidation Method Catalyzed by Reusable Manganese (III) Schiff Base Complexes, *Current Catalysis*, Vol. 4, pp. 4-11, 2015.
51. Maasoumeh Jafarpour, A DFT investigation of axial N-donor ligands effects on the high valent manganese-oxo meso-tetraphenyl porphyrin, *Journal of Porphyrins and Phthalocyanines*, Vol. 19, pp. 651-662, 2015, JCR.Scopus.
52. Maasoumeh Jafarpour, Silica-coated magnetite nanoparticles stabilized simple Mn-tetraphenylporphyrin for aqueous phase catalytic oxidations with tert-butylhydroperoxide, *RSC Advances*, Vol. 4, No. 1, pp. 9189-9196, 2014, ISI.JCR.Scopus.
53. Maasoumeh Jafarpour, Mo¹³² Nanoball as an Efficient and Cost-Effective Catalyst for Sustainable Oxidation of Sulfides and Olefins with Hydrogen Peroxide, *ACS Sustainable Chemistry & Engineering*, Vol. 2, No. 4, pp. 942-950, 2014, JCR.Scopus.

54. Maasoumeh Jafarpour, The Catalytic Efficiency of Fe-Porphyrins Supported on Multi-Walled Carbon Nanotube in Heterogeneous Oxidation of Hydrocarbons and Sulfides in Water, *Catalysis Science & Technology*, Vol. 21, No. 4, pp. 1960-1969, 2014, JCR.Scopus.
55. Maasoumeh Jafarpour, A novel protocol for selective synthesis of monoclinic zirconia nanoparticles as a heterogeneous catalyst for condensation of 1,2-diamines with 1,2-dicarbonyl compounds, *New Journal of Chemistry*, Vol. 38, pp. 676-682, 2014, JCR.Scopus.
56. Maasoumeh Jafarpour, Catalytic Activity and Selectivity of Reusable -MoO_3 Nanobelts toward Oxidation of Olefins and Sulfides using Economical Peroxides, *RSC Advances*, Vol. 14, No. 4, pp. 1601-1608, 2014, ISI.JCR.Scopus.
57. Maasoumeh Jafarpour, Green Condensation of Various 1,2-diamine and 1,2-dicarbonyl Compounds Catalyzed by Reusable Zirconium (IV) Tetradentate Schiff Base Complex, *Current Catalysis*, Vol. 3, No. 3, pp. 260-265, 2014.
58. Maasoumeh Jafarpour, Synthesis characterization and catalytic activity of oleic acid-coated TiO_2 nanoparticles carrying $\text{MoO}_2(\text{acac})_2$ in the oxidation of olefins and sulfides using economical peroxides, *New Journal of Chemistry*, Vol. 38, pp. 2917-2926, 2014, JCR.Scopus.
59. Maasoumeh Jafarpour, A reusable zirconium(IV) Schiff base complex catalyzes highly efficient synthesis of quinoxalines under mild conditions, *Transition Metal Chemistry*, Vol. 38, pp. 31-36, 2013, JCR.Scopus.
60. Maasoumeh Jafarpour, Reusable -MoO_3 nanobelts catalyzes the green and heterogeneous condensation of 1,2-diamines with carbonyl compounds, *New Journal of Chemistry*, Vol. 37, pp. 2087-2095, 2013, JCR.Scopus.
61. Maasoumeh Jafarpour, Catalytic Epoxidation Activity of Keplerate Polyoxomolybdate Nanoball toward Aqueous Suspension of Olefins under Mild Aerobic Conditions, *Journal of the American Chemical Society*, Vol. 135, pp. 10036-10039, 2013, JCR.Scopus.
62. Maasoumeh Jafarpour, Nanoaggregates of Simple $\text{Mn}(\text{TPP})\text{OAc}$ Formed in Aqueous Media Catalyzed Selective Oxidation of Hydrocarbons with Enhanced Activity and Durability, *European Journal of Inorganic Chemistry*, No. 14, pp. 2657-2664, 2013, JCR.Scopus.
63. Maasoumeh Jafarpour, Aqueous Heterogeneous Oxygenation of Hydrocarbons and Sulfides Catalyzed by Recoverable Magnetite Nanoparticles Coated with Copper (II) Phthalocyanine, *green chemistry*, Vol. 14, No. 12, pp. 3386-3394, 2012, JCR.isc.Scopus.
64. Maasoumeh Jafarpour, Nanomagnet Supported-Partially Brominated Manganese Porphyrin as Promising Catalyst for Selective Heterogeneous Oxidation of Hydrocarbons and Sulfides in Water, *European Journal of Inorganic Chemistry*, No. 33, pp. 5515-5524, 2012, JCR.Scopus.
65. Maasoumeh Jafarpour, Stoeckli, & Evans Helen, Economical Oxygenation of Olefins and Sulfides Catalyzed by New Molybdenum(VI) Tridentate Schiff Base Complexes Synthesis and Crystal Structure, *Zeitschrift für Anorganische und Allgemeine Chemie*, Vol. 638, No. 6, pp. 1023-1030, 2012, JCR.Scopus.
66. Maasoumeh Jafarpour, Highly selective aqueous heterogeneous oxygenation of hydrocarbons catalyzed by recyclable hydrophobic copper (II) phthalocyanine nanoparticles, *Journal of Molecular Catalysis A: Chemical*, Vol. 357, pp. 141-147, 2012, ISI.JCR.Scopus.
67. Maasoumeh Jafarpour, Mehri Salimi tabas, Efficient and highly selective aqueous oxidation of alcohols and sulfides catalyzed by reusable hydrophobic copper (II) phthalocyanine, *Inorganic Chemistry Communications*, Vol. 15, pp. 230-234, 2012, JCR.Scopus.
68. Maasoumeh Jafarpour, A New Catalytic Method for Eco-Friendly Synthesis of Quinoxalines by Zirconium (IV) Oxide Chloride Octahydrate Under Mild Conditions, *Letters in Organic Chemistry*, Vol. 8, pp. 202-209, 2011, JCR.Scopus.
69. Maasoumeh Jafarpour, Stoeckli, & Evans Helen, Benzyltributylammonium Periodate as a Novel and Safe Oxygen Source for Mn-porphyrins Catalyzed Practical and Highly Selective Oxygenation of Hydrocarbons, *Polyhedron*, Vol. 30, No. 13, pp. 2303-2309, 2011, JCR.Scopus.
70. Maasoumeh Jafarpour, A novel strategy for clean and selective oxygenation of hydrocarbons with

n-Bu₄NHSO₅ in neat water catalyzed, *Catalysis Communications*, Vol. 12, No. 8, pp. 761-765, 2011, JCR.Scopus.

71. Maasoumeh Jafarpour, Factors affecting the reactivity and selectivity in the oxidation of sulfides with tetra-n-butylammonium peroxomonosulfate catalyzed by Mn (III) porphyrins Significant nitrogen donor effects, *Polyhedron*, Vol. 30, pp. 592-598, 2011, JCR.Scopus.

72. Maasoumeh Jafarpour, A practical innovative method for highly selective oxidation of alcohols in neat water, *Catalysis Communications*, Vol. 16, pp. 240-244, 2011, JCR.Scopus.

73. Maasoumeh Jafarpour, Enhanced catalytic activity of Zr(IV) complex with simple tetradentate Schiff base ligand in the clean synthesis of indole derivatives, *Inorganic Chemistry Communications*, Vol. 14, pp. 1732-1736, 2011, JCR.Scopus.

74. Maasoumeh Jafarpour, Catalytic activity of a zirconium(IV) Schiff base complex in facile and highly efficient synthesis of indole derivatives, *Transition Metal Chemistry*, Vol. 36, pp. 685-690, 2011, JCR.Scopus.

75. Maasoumeh Jafarpour, EFFICIENT ORGANIC TRANSFORMATIONS MEDIATED BY ZrOCl₂ · 8H₂O IN WATER, Phosphorus, Sulfur, and Silicon and the Related Elements, Vol. 186, pp. 1470-1482, 2011, JCR.Scopus.

76. Maasoumeh Jafarpour, A GREEN CATALYST-FREE METHOD FOR THE SYNTHESIS OF SULFONAMIDES AND SULFONYL AZIDES, Phosphorus, Sulfur, and Silicon and the Related Elements, Vol. 186, pp. 140-148, 2011, JCR.Scopus.

77. Maasoumeh Jafarpour, Mohammad ali Nasseri, Pronounced Catalytic Activity of Manganese(III) Schiff Base Complexes in the Oxidation of Alcohols by Tetrabutylammonium Peroxomonosulfate, *Helvetica Chimica Acta*, Vol. 93, pp. 711-717, 2010, JCR.Scopus.

78. Maasoumeh Jafarpour, A New Catalytic Method for Eco friendly Synthesis of Bis- and Trisindolylmethanes by Zirconyldodecylsulfate Under Mild Conditions, *Letters in Organic Chemistry*, Vol. 8, pp. 202-209, 2009, JCR.Scopus.

79. Maasoumeh Jafarpour, Mohammad ali Nasseri, A rapid and easy method for the synthesis of azoxy arenes using tetrabutylammonium peroxymonosulfate, *Dyes and Pigments*, Vol. 76, pp. 840-843, 2008, JCR.Scopus.