



Abdolreza Rezaeifard

Professor

Faculty: Science

Department: Chemistry

Employment Information

| Faculty/Department | Position/Rank | Employment Type | Cooperation Type | Grade |
|--------------------|---------------|-----------------|------------------|-------|
| (not set) | (not set) | Tenured | Full Time | 24 |

Awards

Honors and Awards:

Ø Selected for Iran Science Elites Federation (2016) <https://isef.ir>

Ø Distinguish researcher of University of Birjand (2016)

Ø Selected for Iran Science Elites Federation (2015) <https://isef.ir/>

Ø Distinguish researcher of South Khorasan Province (2012)

Ø Distinguish researcher of University of Birjand (2012)

Ø Distinguish researcher of University of Birjand (2010)

Ø PhD (Honors, 2004)

Ø Selected for the final stage of the first Student Scientific Olympiad (1996) <http://olympiad.sanjesh.org/Fa/ResultDetail.aspx?CID=5&BID=5>

Papers in Conferences

معصومه جعفرپور، عبدالرضا رضائی فرد، مهری بمانی نائینی، سنتز نانوکاتالیزور مولیبدن تثبیت شده بر روی سیلیکاژل به 1. وسیله امواج فراصوت و کاربرد آن در واکنش های اکسیداسیون، اولین همایش و کارگاه تخصصی علوم و فناوری نانو، شماره صفحات -، تهران، ۲۰۱۳ ۱۶ ۰۵

2. عبدالرضا رضائی فرد، معصومه جعفری‌پور، آتنا نعیمی باغینی، محبوبه علی پور، سنتز و مطالعه ساختار مولکولی کمپلکس شیف باز سه دندان‌دی اکسو مولیبیدن، نوزدهمین همایش بلورشناسی و کانی‌شناسی ایران، شماره صفحات ۲۰۱۱، گرگان، ۲۰۱۱، ۰۷-۰۹.
3. عبدالرضا رضائی فرد، معصومه جعفری‌پور، آتنا نعیمی باغینی، حسین کاوسی، سنتز و مطالعه ساختار مولکولی بنزیل‌تری بوتیل آمونیوم پربیدات، نوزدهمین همایش بلورشناسی و کانی‌شناسی ایران، شماره صفحات ۲۰۱۱، گرگان، ۲۰۱۱، ۰۷-۰۹.
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5. Maasoumeh Jafarpour, Heterogeneous activation of Oxone by magnetic nanoparticles anchoring Schiff base complexes for water treatment, مشهد، 17 07 2018, pp. 2-، بیستمین کنگره شیمی ایران،
6. Maasoumeh Jafarpour, Non-immobilized water-insoluble Metallosalens as efficient heterogeneous catalyst for degradation of dyes in water, مشهد، 17 07 2018, pp. 1-، بیستمین کنگره شیمی ایران،
7. Maasoumeh Jafarpour, Riboflavin immobilized on the starch-coated maghemite nanoparticles catalyzed heterogeneous aerobic synthesis of N-heterocyclic compounds, هفتمین کنفرانس بین‌المللی، تهران، 27 02 2018, pp. 4-6, (ICNS7) نانوساختارها
8. Maasoumeh Jafarpour, Aerobic photocatalytic synthesis of benzimidazoles by cobalt Schiff base complex coated on TiO₂ nanoparticles under visible light condition, هفتمین کنفرانس بین‌المللی، تهران، 27 02 2018, pp. 1-3, (ICNS7) نانوساختارها
9. _، Electronic structure investigation of fullerene-like spherical nanocapsule, نوزدهمین کنفرانس شیمی، تهران، 05 09 2017, pp. -، معدنی ایران
10. _، Opportunities and Challenges in Catalytic Applications of Keplerate Polyoxometalates, نوزدهمین کنفرانس شیمی معدنی ایران، تهران، 05 09 2017, pp. -،
11. Maasoumeh Jafarpour, Comparative catalytic activity of Mo₇₂Fe₃₀ nanoclusters in the oxidative dyes degradation, تهران، 05 09 2017, pp. -، نوزدهمین کنفرانس شیمی معدنی ایران،
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19. Maasoumeh Jafarpour, Catalytic Application pantothenic acid (vitamin B5) immobilized on the starch coated magnetic nanoparticles in condensation reactions, شیراز، pp. -، نوزدهمین کنگره شیمی ایران، 20 02 2017.
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31. Maasoumeh Jafarpour ,Synthesis and Characterization of Molybdenum oxide Nanocomposites by a Simple Sol Gel Method ,pp. 07 09 2013, یزد, شانزدهمین کنگره شیمی ایران دانشگاه یزد.
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34. , ,Epoxidation of olefins using a dioxomolybdenum(VI)tetradentate Schiff base complex as catalyst ,pp. 07 09 2013, یزد, شانزدهمین کنگره شیمی ایران دانشگاه یزد.
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44. Maasoumeh Jafarpour ,Pencil-like Copper (II) Phthalocyanine Nanoaggregates as a Highly

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50. Maasoumeh Jafarpour, Novel Organosilicon Dangling Mo (VI) Complex as Efficient Biomimetic Oxidation Catalyst, چهاردهمین کنفرانس شیمی معدنی ایران، pp. - 28 08 2012، تهران.
51. Maasoumeh Jafarpour, Design of a Magnetic Recoverable Molybdenum Nano-Catalyst for Selective and Eco-Friendly Olefin Epoxidation, چهاردهمین کنفرانس شیمی معدنی ایران، pp. - 28 08 2012، تهران.
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53. 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، pp. - 07 09 2011، ایران.
54. Maasoumeh Jafarpour, Oxidative degradation of iron(III) porphyrins by oxone under substrate-free conditions, کرمانشاه، pp. - 07 09 2011، سیزدهمین کنفرانس شیمی معدنی ایران.
55. Maasoumeh Jafarpour, Synthesis and oxidation activity of benzyltributylammonium periodate in hydrocarbon oxidation catalyzed by Mn-porphyrins in green media, سیزدهمین کنفرانس شیمی معدنی ایران، کرمانشاه، pp. - 07 09 2011.
56. 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، pp. - 07 09 2011، سیزدهمین کنفرانس شیمی معدنی ایران.

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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، 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، صفحات ۱۰۷-۲۰۱۸، ۱۱۷.
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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, Copper(II)-Ethanolamine Triazine Complex on Chitosan-Functionalized Nanomagnetite for Catalytic Aerobic Oxidation of Benzylic Alcohols, *Catalysis Letters*, Vol. 1, No. 151, pp. 45-55, 2021, JCR, Scopus.

10. 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.

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16. 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.

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