

Raed Abu-Reziq

List of Publications by Year in descending order

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46
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2958
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Biocatalytic cascades driven by enzymes encapsulated in metal-organic framework nanoparticles. <i>Nature Catalysis</i> , 2018, 1, 689-695. | 34.4 | 494 |
| 2 | Metal Supported on Dendronized Magnetic Nanoparticles: A Highly Selective Hydroformylation Catalysts. <i>Journal of the American Chemical Society</i> , 2006, 128, 5279-5282. | 13.7 | 464 |
| 3 | Mimicking Horseradish Peroxidase and NADH Peroxidase by Heterogeneous Cu ²⁺ -Modified Graphene Oxide Nanoparticles. <i>Nano Letters</i> , 2017, 17, 2043-2048. | 9.1 | 190 |
| 4 | Platinum Nanoparticles Supported on Ionic Liquid-Modified Magnetic Nanoparticles: Selective Hydrogenation Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 2145-2150. | 4.3 | 148 |
| 5 | Separable Catalysts in One-Pot Syntheses for Greener Chemistry. <i>Chemistry of Materials</i> , 2008, 20, 2544-2550. | 6.7 | 91 |
| 6 | A Three-Phase Emulsion/Solid-Heterogenization Method for Transport and Catalysis. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 4132-4134. | 13.8 | 74 |
| 7 | Heck Vinylation of Aryl Iodides by a Silica Sol-Gel Entrapped Pd(II) Catalyst and Its Combination with a Photocyclization Process. <i>Organic Letters</i> , 2004, 6, 925-927. | 4.6 | 52 |
| 8 | Entrapment of metallic palladium and a rhodium(I) complex in a silica sol-gel matrix. <i>Journal of Molecular Catalysis A</i> , 2002, 185, 179-185. | 4.8 | 48 |
| 9 | Entrapment of an Organometallic Complex within a Metal: A Concept for Heterogeneous Catalysis. <i>Journal of the American Chemical Society</i> , 2008, 130, 11880-11882. | 13.7 | 47 |
| 10 | BMIm-PF ₆ @SiO ₂ Microcapsules: Particulated Ionic Liquid as A New Material for the Heterogenization of Catalysts. <i>Chemistry of Materials</i> , 2014, 26, 4781-4787. | 6.7 | 41 |
| 11 | Catalytic hydrogenolysis of aromatic ketones by a sol-gel entrapped combined Pd-[Rh(cod)Cl] ₂ catalyst. <i>Journal of Molecular Catalysis A</i> , 2002, 187, 277-281. | 4.8 | 38 |
| 12 | Exhaustive hydrodechlorination of chlorinated aromatic environmental pollutants to alicyclic compounds. <i>Green Chemistry</i> , 2003, 5, 40-43. | 9.0 | 38 |
| 13 | Palladium Nanoparticles Supported on Magnetic Organic-Silica Hybrid Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 30045-30056. | 3.1 | 36 |
| 14 | Three-Phase Microemulsion/Sol-Gel System for Aqueous Catalysis with Hydrophobic Chemicals. <i>Chemistry - A European Journal</i> , 2004, 10, 958-962. | 3.3 | 35 |
| 15 | Functionalized Magnetic Mesoporous Silica Nanoparticle-Supported Palladium Catalysts for Carbonylative Sonogashira Coupling Reactions of Aryl Iodides. <i>ChemCatChem</i> , 2015, 7, 2230-2240. | 3.7 | 34 |
| 16 | Sol-gel entrapped heteronuclear transition metal catalysts. <i>Polyhedron</i> , 2000, 19, 509-512. | 2.2 | 23 |
| 17 | Three-Phase Microemulsion/Sol-Gel System for Aqueous Catalytic Hydroformylation of Hydrophobic Alkenes. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 3640-3642. | 2.4 | 23 |
| 18 | Encapsulation of ionic liquid BMIm[PF ₆] within polyurea microspheres. <i>Reactive and Functional Polymers</i> , 2015, 96, 32-38. | 4.1 | 21 |

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|----|--|------|-----------|
| 19 | Magnetically Separable Base Catalysts: Heterogeneous Catalysis vs. Quasi-Homogeneous Catalysis. Applied Sciences (Switzerland), 2012, 2, 260-276. | 2.5 | 19 |
| 20 | Palladium nanoparticles encapsulated in magnetically separable polymeric nanoreactors. Journal of Materials Chemistry A, 2014, 2, 3971-3977. | 10.3 | 18 |
| 21 | Sol-Gel Entrapped Pyridinium Hydrobromide Perbromide as a Recyclable Bromination Agent: Its Application to a One-Pot Bromination and Dehydrobromination Process. European Journal of Organic Chemistry, 2006, 2006, 1396-1399. | 2.4 | 17 |
| 22 | Palladium nanoparticles immobilized on magnetic nanoparticles: An efficient semi-heterogeneous catalyst for carbonylation of aryl bromides. Catalysis Communications, 2015, 61, 31-36. | 3.3 | 17 |
| 23 | Dynamic Spin-Controlled Enantioselective Catalytic Chiral Reactions. Journal of Physical Chemistry Letters, 2021, 12, 5469-5472. | 4.6 | 17 |
| 24 | High-Complexity WO ₃ -Based Catalyst with Multi-Catalytic Species via 3D Printing. Catalysts, 2020, 10, 840. | 3.5 | 16 |
| 25 | Ionic liquid-based polymeric microreactors and their applicability. Journal of Materials Science, 2017, 52, 10637-10647. | 3.7 | 14 |
| 26 | Preparation of catalytic deep eutectic solvent-based silica microreactors using a non-aqueous sol-gel route. Journal of Materials Chemistry A, 2019, 7, 2242-2252. | 10.3 | 14 |
| 27 | Immobilization of palladium catalyst on magnetically separable polyurea nanosupport. RSC Advances, 2014, 4, 48299-48309. | 3.6 | 13 |
| 28 | Homogeneous and Semi-Heterogeneous Magnetically Retrievable Bis-N-Heterocyclic Carbene Rhodium(I) Based Catalysts for Selective Hydroaminomethylation Reactions. European Journal of Organic Chemistry, 2015, 2015, 1961-1969. | 2.4 | 13 |
| 29 | Magnetic Polyurea Nano-Capsules Synthesized via Interfacial Polymerization in Inverse Nano-Emulsion. Molecules, 2019, 24, 2663. | 3.8 | 13 |
| 30 | Chiral Ruthenium Catalyst Immobilized within Magnetically Retrievable Mesoporous Silica Microcapsules for Aqueous Asymmetric Transfer Hydrogenations. European Journal of Inorganic Chemistry, 2015, 2015, 2101-2109. | 2.0 | 12 |
| 31 | Visible-light-driven Cr(VI) reduction by ferrocene-integrated conjugated porous polymers via dual catalytic routes. Chemical Communications, 2021, 57, 4886-4889. | 4.1 | 11 |
| 32 | Hydrogenation of arenes, alkenes and alkynes catalyzed by a sol-gel entrapped mixture of [Rh(cod)Cl] ₂ and Na[HRu ₃ (CO) ₁₁]. Journal of Molecular Catalysis A, 2008, 290, 30-34. | 4.8 | 9 |
| 33 | Preparation of Poly(ethylene glycol)@Polyurea Microcapsules Using Oil/Oil Emulsions and Their Application as Microreactors. Polymers, 2021, 13, 2566. | 4.5 | 9 |
| 34 | Rhodium-complexed hyperbranched poly(ethyleneimine) and polyamidoamine and their non-covalent immobilization on magnetic nanoparticles. Journal of Organometallic Chemistry, 2016, 818, 48-57. | 1.8 | 6 |
| 35 | Enantioselective Separation of Racemic Tryptophan with Sonochemically Prepared Egg Albumin Microspheres. ChemistrySelect, 2018, 3, 4004-4008. | 1.5 | 6 |
| 36 | Poly(ethylene glycol)@Silica hybrid microparticles prepared via a non-aqueous sol-gel process: A method for merging both classes of hybrid materials. Materialia, 2020, 9, 100526. | 2.7 | 6 |

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|----|---|-----|-----------|
| 37 | Chiral enantiopure organosilane precursors for the synthesis of periodic mesoporous organosilicas. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 1675-1685. | 1.8 | 5 |
| 38 | Magnetically Separable Chiral Periodic Mesoporous Organosilica Nanoparticles. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5960. | 2.5 | 4 |
| 39 | Highly Active Ruthenium Catalyst Supported on Magnetically Separable Mesoporous Organosilica Nanoparticles. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5769. | 2.5 | 4 |
| 40 | Sulfonium cations as versatile strongly Brønsted acidic ligands. <i>Chemical Science</i> , 2022, 13, 4770-4778. | 7.4 | 4 |
| 41 | Catalysis with solid lipid particles. <i>Journal of Materials Science</i> , 2015, 50, 2747-2758. | 3.7 | 3 |
| 42 | Chiral Polymeric Nanocapsules and Their Use for Conformational Deracemization of Liquid Crystals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17936-17941. | 3.1 | 3 |
| 43 | One-pot construction of nitrogen-rich polymeric ionic porous networks for effective CO ₂ capture and fixation. <i>Polymer Chemistry</i> , 2021, 13, 121-129. | 3.9 | 3 |
| 44 | Optical rotation kinetics study of the polycondensation of chiral sol-gel precursors. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 90, 149-154. | 2.4 | 1 |
| 45 | Heck Vinylation of Aryl Iodides by a Silica Sol-Gel Entrapped Pd(II) Catalyst and Its Combination with a Photocyclization Process. <i>ChemInform</i> , 2004, 35, no. | 0.0 | 0 |
| 46 | Functional Particulated Ionic Liquid-Based Silica Microcapsules. , 2017, , 29-38. | | 0 |