

Vivek Polshettiwar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

122
papers

11,696
citations

52
h-index

107
g-index

170
ext. papers

12,752
ext. citations

8
avg, IF

6.94
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 122 | Visible Light-Driven Highly Selective CO Reduction to CH Using Potassium-Doped g-CN.. <i>Langmuir</i> , 2022 , | 4 | 4 |
| 121 | Plasmonic Photocatalysis for CO ₂ Conversion to Chemicals and Fuels 2021 , 3, 574-598 | | 23 |
| 120 | Silica-Supported Nanoparticles as Heterogeneous Catalysts 2021 , 215-238 | | 1 |
| 119 | Nitridated Fibrous Silica/Tetrabutylammonium Iodide (N-DFNS/TBAI): Robust and Efficient Catalytic System for Chemical Fixation of Carbon Dioxide to Cyclic Carbonates. <i>ChemCatChem</i> , 2021 , 13, 2907-2914 | 5.2 | 2 |
| 118 | Origin of the Hierarchical Structure of Dendritic Fibrous Nanosilica: A Small-Angle X-ray Scattering Perspective. <i>Langmuir</i> , 2021 , 37, 6423-6434 | 4 | 4 |
| 117 | Gold cluster-loaded dendritic nanosilica: single particle luminescence and catalytic properties in the bulk. <i>Nanoscale</i> , 2021 , 13, 9788-9797 | 7.7 | 2 |
| 116 | Defective TiO for photocatalytic CO conversion to fuels and chemicals. <i>Chemical Science</i> , 2021 , 12, 4267-4299 | 9.4 | 26 |
| 115 | Nitrogen doped carbon spheres with wrinkled cages for the selective oxidation of 5-hydroxymethylfurfural to 5-formyl-2-furancarboxylic acid. <i>Chemical Communications</i> , 2021 , 57, 2005-2008 | 5.8 | 6 |
| 114 | Unravelling the structural hierarchy in microemulsion droplet templated dendritic fibrous nano silica. <i>Microporous and Mesoporous Materials</i> , 2021 , 323, 111234 | 5.3 | 0 |
| 113 | Direct CO capture and conversion to fuels on magnesium nanoparticles under ambient conditions simply using water.. <i>Chemical Science</i> , 2021 , 12, 5774-5786 | 9.4 | 6 |
| 112 | Lithium silicate nanosheets with excellent capture capacity and kinetics with unprecedented stability for high-temperature CO capture. <i>Chemical Science</i> , 2021 , 12, 4825-4835 | 9.4 | 9 |
| 111 | Crystal Structure Directed Catalysis by Aluminum Metal-Organic Framework: Mechanistic Insight into the Role of Coordination of Al Sites and Entrance Size of Catalytic Pocket 2020 , 2, 699-704 | | 5 |
| 110 | Defects in nanosilica catalytically convert CO to methane without any metal and ligand. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 6383-6390 | 11.5 | 39 |
| 109 | Catalytic nanosponges of acidic aluminosilicates for plastic degradation and CO to fuel conversion. <i>Nature Communications</i> , 2020 , 11, 3828 | 17.4 | 23 |
| 108 | Dendritic Fibrous Nanosilica (DFNS) for RNA Extraction from Cells. <i>Langmuir</i> , 2020 , 36, 12755-12759 | 4 | 8 |
| 107 | Boron Nitride and Oxide Supported on Dendritic Fibrous Nanosilica for Catalytic Oxidative Dehydrogenation of Propane. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 16124-16135 | 8.3 | 13 |
| 106 | Photocatalytic Hydrogen Generation and CO ₂ Conversion Using g-C ₃ N ₄ Decorated Dendritic Fibrous Nanosilica: Role of Interfaces between Silica and g-C ₃ N ₄ . <i>ACS Applied Energy Materials</i> , 2020 , 3, 8150-8158 | 6.1 | 15 |

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| 105 | Facile synthesis to tune size, textural properties and fiber density of dendritic fibrous nanosilica for applications in catalysis and CO capture. <i>Nature Protocols</i> , 2019 , 14, 2177-2204 | 18.8 | 56 |
| 104 | Plasmonic colloidosomes of black gold for solar energy harvesting and hotspots directed catalysis for CO to fuel conversion. <i>Chemical Science</i> , 2019 , 10, 6594-6603 | 9.4 | 57 |
| 103 | Solution-phase synthesis of two-dimensional silica nanosheets using soft templates and their applications in CO capture. <i>Nanoscale</i> , 2019 , 11, 5365-5376 | 7.7 | 16 |
| 102 | Dendritic fibrous nano-silica supported gold nanoparticles as an artificial enzyme. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 1600-1604 | 7.3 | 47 |
| 101 | Negative Photochromism Based on Molecular Diffusion between Hydrophilic and Hydrophobic Particles in the Solid State. <i>Inorganic Chemistry</i> , 2018 , 57, 3671-3674 | 5.1 | 32 |
| 100 | Scalable and Sustainable Synthesis of Size-Controlled Monodisperse Dendritic Fibrous Nanosilica Quantified by E-Factor. <i>ACS Applied Nano Materials</i> , 2018 , 1, 3636-3643 | 5.6 | 31 |
| 99 | Self-Assembled Photonic Crystals of Monodisperse Dendritic Fibrous Nanosilica for Lasing: Role of Fiber Density. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23392-23398 | 9.5 | 16 |
| 98 | Supported Single Atom and Pseudo-Single Atom of Metals as Sustainable Heterogeneous Nanocatalysts. <i>ChemCatChem</i> , 2018 , 10, 881-906 | 5.2 | 27 |
| 97 | Synthesis of High Surface Area Carbon Nanospheres with Wrinkled Cages and Their CO ₂ Capture Studies. <i>ChemistrySelect</i> , 2018 , 3, 10684-10688 | 1.8 | 9 |
| 96 | Probing the Interfaces in Nanosilica-Supported TiO ₂ Photocatalysts by Solid-State NMR and In Situ FTIR. <i>ChemNanoMat</i> , 2018 , 4, 1231-1239 | 3.5 | 5 |
| 95 | Hydrothermal Crystallization of Nano-Titanium Dioxide for Enhanced Photocatalytic Hydrogen Generation. <i>ChemPhotoChem</i> , 2018 , 2, 796-800 | 3.3 | 14 |
| 94 | Design of a CdS/CdSe Heterostructure for Efficient H ₂ Generation and Photovoltaic Applications. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 12158-12167 | 3.8 | 30 |
| 93 | Organosilane oxidation with a half million turnover number using fibrous nanosilica supported ultrasmall nanoparticles and pseudo-single atoms of gold. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1935-1940 ¹³ | 19.40 ⁵⁶ | |
| 92 | Nanostructured Silica-Titania Hybrid using Dendritic Fibrous Nanosilica as a Photocatalyst. <i>ChemSusChem</i> , 2017 , 10, 2182-2191 | 8.3 | 29 |
| 91 | Amphi-functional mesoporous silica nanoparticles for dye separation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14914-14921 | 13 | 23 |
| 90 | Photochromism of a Spiropyran in the Presence of a Dendritic Fibrous Nanosilica; Simultaneous Photochemical Reaction and Adsorption. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 8080-8085 | 2.8 | 14 |
| 89 | Dendritic Fibrous Nanosilica for Catalysis, Energy Harvesting, Carbon Dioxide Mitigation, Drug Delivery, and Sensing. <i>ChemSusChem</i> , 2017 , 10, 3866-3913 | 8.3 | 141 |
| 88 | Unraveling the Formation Mechanism of Dendritic Fibrous Nanosilica. <i>Langmuir</i> , 2017 , 33, 13774-13782 | 4 | 39 |

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|----|---|------|-----|
| 87 | KCC-1 supported palladium nanoparticles as an efficient and sustainable nanocatalyst for carbonylative Suzuki-Miyaura cross-coupling. <i>Green Chemistry</i> , 2016 , 18, 5890-5899 | 10 | 74 |
| 86 | Sustainable Synthesis of Metal Oxide Nanostructures 2016 , 1-10 | | |
| 85 | Size and Fiber Density Controlled Synthesis of Fibrous Nanosilica Spheres (KCC-1). <i>Scientific Reports</i> , 2016 , 6, 24888 | 4.9 | 108 |
| 84 | Ultrasmall nanoparticles and pseudo-single atoms of platinum supported on fibrous nanosilica (KCC-1/Pt): engineering selectivity of hydrogenation reactions. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12416-12424 | 13 | 70 |
| 83 | Atomic Layer Deposited (ALD) TiO ₂ on Fibrous Nano-Silica (KCC-1) for Photocatalysis: Nanoparticle Formation and Size Quantization Effect. <i>ACS Catalysis</i> , 2016 , 6, 2770-2784 | 13.1 | 117 |
| 82 | Design of CO ₂ sorbents using functionalized fibrous nanosilica (KCC-1): insights into the effect of the silica morphology (KCC-1 vs. MCM-41). <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7005-7019 | 13 | 82 |
| 81 | Palladium Nanoparticles Supported on Fibrous Silica (KCC-1-PEI/Pd): A Sustainable Nanocatalyst for Decarbonylation Reactions. <i>ChemPlusChem</i> , 2016 , 81, 1142-1146 | 2.8 | 34 |
| 80 | SBA-15-Oxynitrides as a Solid-Base Catalyst: Effect of Nitridation Temperature on Catalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5985-9 | 16.4 | 21 |
| 79 | Facile and sustainable synthesis of shaped iron oxide nanoparticles: effect of iron precursor salts on the shapes of iron oxides. <i>Scientific Reports</i> , 2015 , 5, 9733 | 4.9 | 158 |
| 78 | SBA-15-Oxynitrides as a Solid-Base Catalyst: Effect of Nitridation Temperature on Catalytic Activity. <i>Angewandte Chemie</i> , 2015 , 127, 6083-6087 | 3.6 | 7 |
| 77 | Efficient Synthesis of Monodisperse Metal (Rh, Ru, Pd) Nanoparticles Supported on Fibrous Nanosilica (KCC-1) for Catalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 3224-3230 | 8.3 | 89 |
| 76 | Insights into the Catalytic Activity of Nitridated Fibrous Silica (KCC-1) Nanocatalysts from ¹⁵ N and ²⁹ Si NMR Spectroscopy Enhanced by Dynamic Nuclear Polarization. <i>Angewandte Chemie</i> , 2015 , 127, 2218-2221 ²¹ | 3.6 | 21 |
| 75 | Insights into the catalytic activity of nitridated fibrous silica (KCC-1) nanocatalysts from (¹⁵ N and ²⁹ Si) NMR spectroscopy enhanced by dynamic nuclear polarization. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2190-3 | 16.4 | 90 |
| 74 | Dendritic silica nanomaterials (KCC-1) with fibrous pore structure possess high DNA adsorption capacity and effectively deliver genes in vitro. <i>Langmuir</i> , 2014 , 30, 10886-98 | 4 | 71 |
| 73 | Size- and shape-controlled synthesis of hexagonal bipyramidal crystals and hollow self-assembled Al-MOF spheres. <i>ChemSusChem</i> , 2014 , 7, 529-35 | 8.3 | 30 |
| 72 | Nitridated Fibrous Silica (KCC-1) as a Sustainable Solid Base Nanocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 1192-1199 | 8.3 | 87 |
| 71 | Introduction to Nanocatalysis 2013 , 1-9 | | 4 |
| 70 | Nanocatalysts for the Suzuki Coupling Reactions 2013 , 51-88 | | 1 |

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| 69 | Nanocatalysts for Hydrogenation Reactions 2013 , 405-441 | | 2 |
| 68 | Nanocatalysts for the Heck Coupling Reactions 2013 , 11-50 | | 1 |
| 67 | Sonogashira Reactions Using Nanocatalysts 2013 , 89-131 | | 1 |
| 66 | Nanocatalysts for Rearrangement Reactions 2013 , 251-285 | | 1 |
| 65 | Shape- and Morphology-Controlled Sustainable Synthesis of Cu, Co, and In Metal Organic Frameworks with High CO ₂ Capture Capacity. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 66-74 | 8.3 | 42 |
| 64 | Nanomaterials in Catalysis. Herausgegeben von Philippe Serp und Karine Philippot.. <i>Angewandte Chemie</i> , 2013 , 125, 11407-11407 | 3.6 | 1 |
| 63 | Fibrous nano-silica (KCC-1)-supported palladium catalyst: Suzuki coupling reactions under sustainable conditions. <i>ChemSusChem</i> , 2012 , 5, 85-9 | 8.3 | 155 |
| 62 | Nano-ferrites for water splitting: unprecedented high photocatalytic hydrogen production under visible light. <i>Nanoscale</i> , 2012 , 4, 5202-9 | 7.7 | 56 |
| 61 | Fibrous Nano-Silica Supported Ruthenium (KCC-1/Ru): A Sustainable Catalyst for the Hydrogenolysis of Alkanes with Good Catalytic Activity and Lifetime. <i>ACS Catalysis</i> , 2012 , 2, 1425-1431 | 13.1 | 142 |
| 60 | Nano cobalt oxides for photocatalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 10462-10466 | 6.7 | 24 |
| 59 | Silicon oxynitrides of KCC-1, SBA-15 and MCM-41 for CO ₂ capture with excellent stability and regenerability. <i>Chemical Science</i> , 2012 , 3, 2224 | 9.4 | 101 |
| 58 | Synthesis of hierarchical anatase TiO ₂ nanostructures with tunable morphology and enhanced photocatalytic activity. <i>RSC Advances</i> , 2012 , 2, 7048 | 3.7 | 31 |
| 57 | Efficient Hydrogenolysis of Alkanes at Low Temperature and Pressure Using Tantalum Hydride on MCM-41, and a Quantum Chemical Study. <i>ChemCatChem</i> , 2012 , 4, 363-369 | 5.2 | 13 |
| 56 | Nanoroses of nickel oxides: synthesis, electron tomography study, and application in CO oxidation and energy storage. <i>ChemSusChem</i> , 2012 , 5, 1241-8 | 8.3 | 25 |
| 55 | Suzuki-Miyaura cross-coupling reactions with low catalyst loading: a green and sustainable protocol in pure water. <i>Dalton Transactions</i> , 2011 , 40, 3116-21 | 4.3 | 82 |
| 54 | Magnetically recoverable nanocatalysts. <i>Chemical Reviews</i> , 2011 , 111, 3036-75 | 68.1 | 1386 |
| 53 | Nanocatalysts for Suzuki cross-coupling reactions. <i>Chemical Society Reviews</i> , 2011 , 40, 5181-203 | 58.5 | 650 |
| 52 | Chemistry by Nanocatalysis: First example of a solid-supported RAPTA complex for organic reactions in aqueous medium. <i>ChemSusChem</i> , 2011 , 4, 104-11 | 8.3 | 99 |

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| 51 | Hydro-metathesis of Olefins: A Catalytic Reaction Using a Bifunctional Single-Site Tantalum Hydride Catalyst Supported on Fibrous Silica (KCC-1) Nanospheres. <i>Angewandte Chemie</i> , 2011 , 123, 2799-2803 | 3.6 | 283 |
| 50 | "Hydro-metathesis" of olefins: a catalytic reaction using a bifunctional single-site tantalum hydride catalyst supported on fibrous silica (KCC-1) Nanospheres. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 2747-51 | 16.4 | 114 |
| 49 | Non-conventional Energy Sources for Green Synthesis in Water (Microwave, Ultrasound, and Photo) 2010 , 273 | | 0 |
| 48 | Green chemistry by nano-catalysis. <i>Green Chemistry</i> , 2010 , 12, 743 | 10 | 899 |
| 47 | Suzuki-Miyaura cross-coupling reactions in aqueous media: green and sustainable syntheses of biaryls. <i>ChemSusChem</i> , 2010 , 3, 502-22 | 8.3 | 298 |
| 46 | High-Surface-Area Silica Nanospheres (KCC-1) with a Fibrous Morphology. <i>Angewandte Chemie</i> , 2010 , 122, 9846-9850 | 3.6 | 65 |
| 45 | High-surface-area silica nanospheres (KCC-1) with a fibrous morphology. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9652-6 | 16.4 | 518 |
| 44 | Cover Picture: High-Surface-Area Silica Nanospheres (KCC-1) with a Fibrous Morphology (Angew. Chem. Int. Ed. 50/2010). <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9539-9539 | 16.4 | 3 |
| 43 | Nano-organocatalyst: magnetically retrievable ferrite-anchored glutathione for microwave-assisted Paal-Knorr reaction, aza-Michael addition, and pyrazole synthesis. <i>Tetrahedron</i> , 2010 , 66, 1091-1097 | 2.4 | 203 |
| 42 | Nanoparticle-supported and magnetically recoverable ruthenium hydroxide catalyst: efficient hydration of nitriles to amides in aqueous medium. <i>Chemistry - A European Journal</i> , 2009 , 15, 1582-6 | 4.8 | 226 |
| 41 | Silica-supported palladium: Sustainable catalysts for cross-coupling reactions. <i>Coordination Chemistry Reviews</i> , 2009 , 253, 2599-2626 | 23.2 | 438 |
| 40 | Magnetically recoverable supported ruthenium catalyst for hydrogenation of alkynes and transfer hydrogenation of carbonyl compounds. <i>Tetrahedron Letters</i> , 2009 , 50, 1215-1218 | 2 | 80 |
| 39 | Chapter 8: Environmentally Benign Chemical Synthesis via Mechanochemical Mixing and Microwave Irradiation. <i>RSC Green Chemistry</i> , 2009 , 275-292 | 0.9 | 3 |
| 38 | Self-assembly of palladium nanoparticles: synthesis of nanobelts, nanoplates and nanotrees using vitamin B1, and their application in carbon-carbon coupling reactions. <i>Journal of Materials Chemistry</i> , 2009 , 19, 2026 | | 108 |
| 37 | Self-assembly of metal oxides into three-dimensional nanostructures: synthesis and application in catalysis. <i>ACS Nano</i> , 2009 , 3, 728-36 | 16.7 | 285 |
| 36 | Nanoparticle-supported and magnetically recoverable nickel catalyst: a robust and economic hydrogenation and transfer hydrogenation protocol. <i>Green Chemistry</i> , 2009 , 11, 127-131 | 10 | 325 |
| 35 | Nanoparticle-supported and magnetically recoverable palladium (Pd) catalyst: a selective and sustainable oxidation protocol with high turnover number. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 37-40 | 3.9 | 244 |
| 34 | Magnetic nanoparticle-supported glutathione: a conceptually sustainable organocatalyst. <i>Chemical Communications</i> , 2009 , 1837-9 | 5.8 | 186 |

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| 33 | Revisiting the Meerwein-Ponndorf-Verley reduction: a sustainable protocol for transfer hydrogenation of aldehydes and ketones. <i>Green Chemistry</i> , 2009 , 11, 1313 | 10 | 86 |
| 32 | Microwave-Assisted Chemistry: a Rapid and Sustainable Route to Synthesis of Organics and Nanomaterials. <i>Australian Journal of Chemistry</i> , 2009 , 62, 16 | 1.2 | 149 |
| 31 | Glutathione promoted expeditious green synthesis of silver nanoparticles in water using microwaves. <i>Green Chemistry</i> , 2009 , 11, 926 | 10 | 178 |
| 30 | Greener and expeditious synthesis of bioactive heterocycles using microwave irradiation. <i>Pure and Applied Chemistry</i> , 2008 , 80, 777-790 | 2.1 | 101 |
| 29 | The synthesis and applications of a micro-pine-structured nanocatalyst. <i>Chemical Communications</i> , 2008 , 6318-20 | 5.8 | 96 |
| 28 | Aqueous microwave chemistry: a clean and green synthetic tool for rapid drug discovery. <i>Chemical Society Reviews</i> , 2008 , 37, 1546-57 | 58.5 | 375 |
| 27 | Olefin ring closing metathesis and hydrosilylation reaction in aqueous medium by Grubbs second generation ruthenium catalyst. <i>Journal of Organic Chemistry</i> , 2008 , 73, 7417-9 | 4.2 | 49 |
| 26 | Ring-fused aminals: catalyst and solvent-free microwave-assisted amination of nitrogen heterocycles. <i>Tetrahedron Letters</i> , 2008 , 49, 7165-7167 | 2 | 28 |
| 25 | Pd ^{II} -heterocyclic carbene (NHC) organic silica: synthesis and application in carbon-carbon coupling reactions. <i>Tetrahedron</i> , 2008 , 64, 4637-4643 | 2.4 | 73 |
| 24 | Greener and rapid access to bio-active heterocycles: room temperature synthesis of pyrazoles and diazepines in aqueous medium. <i>Tetrahedron Letters</i> , 2008 , 49, 397-400 | 2 | 102 |
| 23 | Greener and rapid access to bio-active heterocycles: one-pot solvent-free synthesis of 1,3,4-oxadiazoles and 1,3,4-thiadiazoles. <i>Tetrahedron Letters</i> , 2008 , 49, 879-883 | 2 | 93 |
| 22 | Nafion [®] -catalyzed microwave-assisted Ritter reaction: an atom-economic solvent-free synthesis of amides. <i>Tetrahedron Letters</i> , 2008 , 49, 2661-2664 | 2 | 55 |
| 21 | Microwave-assisted organic synthesis and transformations using benign reaction media. <i>Accounts of Chemical Research</i> , 2008 , 41, 629-39 | 24.3 | 543 |
| 20 | Silica-supported Pd catalysts for Heck coupling reactions. <i>Tetrahedron</i> , 2007 , 63, 6949-6976 | 2.4 | 254 |
| 19 | Palladium containing nanostructured silica functionalized with pyridine sites: a versatile heterogeneous catalyst for Heck, Sonogashira, and cyanation reactions. <i>Tetrahedron</i> , 2007 , 63, 6784-6790 | 2.4 | 95 |
| 18 | Corrigendum to Silica-supported Pd catalysts for Heck coupling reactions [Tetrahedron 63 (2007) 6949]. <i>Tetrahedron</i> , 2007 , 63, 11223 | 2.4 | 16 |
| 17 | Silica hybrid material containing Pd ^{II} -NHC complex as heterogeneous catalyst for Mizoroki-Heck reactions. <i>Tetrahedron Letters</i> , 2007 , 48, 5363-5366 | 2 | 52 |
| 16 | Polystyrene sulfonic acid catalyzed greener synthesis of hydrazones in aqueous medium using microwaves. <i>Tetrahedron Letters</i> , 2007 , 48, 5649-5652 | 2 | 43 |

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|----|---|-----|----|
| 15 | Biginelli reaction in aqueous medium: a greener and sustainable approach to substituted 3,4-dihydropyrimidin-2(1H)-ones. <i>Tetrahedron Letters</i> , 2007 , 48, 7343-7346 | 2 | 82 |
| 14 | An efficient and chemoselective Cbz-protection of amines using silica-sulfuric acid at room temperature. <i>Tetrahedron Letters</i> , 2007 , 48, 8170-8173 | 2 | 34 |
| 13 | Expeditious oxidation of alcohols to carbonyl compounds using iron(III) nitrate. <i>Tetrahedron Letters</i> , 2007 , 48, 8839-8842 | 2 | 47 |
| 12 | Tandem bis-aza-Michael addition reaction of amines in aqueous medium promoted by polystyrenesulfonic acid. <i>Tetrahedron Letters</i> , 2007 , 48, 8735-8738 | 2 | 44 |
| 11 | Tandem bis-aldol reaction of ketones: a facile one-pot synthesis of 1,3-dioxanes in aqueous medium. <i>Journal of Organic Chemistry</i> , 2007 , 72, 7420-2 | 4.2 | 77 |
| 10 | Greener and sustainable approaches to the synthesis of pharmaceutically active heterocycles. <i>Current Opinion in Drug Discovery & Development</i> , 2007 , 10, 723-37 | | 8 |
| 9 | Highly Ordered Functional Organosilicas by Template-Directed Hydrolysis-Polycondensation of Chiral Camphorsulfonamide Precursors. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 3697-3702 ^{2,3} | | 32 |
| 8 | Recent advances in thionating reagents for the synthesis of organosulfur compounds. <i>Journal of Sulfur Chemistry</i> , 2006 , 27, 353-386 | 2.3 | 40 |
| 7 | Alumina encapsulated phosphorus pentasulfide (P4S10/Al2O3) mediated efficient thionation of long chain amides. <i>Tetrahedron Letters</i> , 2006 , 47, 2315-2317 | 2 | 23 |
| 6 | Microwave enhanced chemistry of CsFelite: an efficient catalyst for the synthesis of esters, ethers and their thio-analogues. <i>Catalysis Communications</i> , 2005 , 6, 191-194 | 3.2 | 14 |
| 5 | Thionation of carbonyl compounds using phosphorus pentasulfide and hexamethyldisiloxane under microwave irradiations. <i>Journal of Chemical Research</i> , 2004 , 2004, 474-476 | 0.6 | 8 |
| 4 | Phosphorus Pentasulfide (P4S10). <i>Synlett</i> , 2004 , 2004, 2245-2246 | 2.2 | 14 |
| 3 | A new, efficient and simple method for the thionation of ketones to thioketones using P4S10/Al2O3. <i>Tetrahedron Letters</i> , 2004 , 45, 6255-6257 | 2 | 36 |
| 2 | CsFelite catalyzed regio- and chemoselective SN2 type ring opening of epoxides with thiol. <i>Catalysis Communications</i> , 2004 , 5, 515-518 | 3.2 | 39 |
| 1 | A new reagent for the efficient synthesis of disulfides from alkyl halides. <i>Tetrahedron Letters</i> , 2003 , 44, 887-889 | 2 | 25 |