

Alessandro Scarso

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.

102
papers

3,054
citations

34
h-index

53
g-index

129
ext. papers

3,372
ext. citations

6.9
avg, IF

5.34
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 102 | A resorcin[4]arene hexameric capsule as a supramolecular catalyst in elimination and isomerization reactions.. <i>Beilstein Journal of Organic Chemistry</i> , 2022 , 18, 337-349 | 2.5 | 0 |
| 101 | Minimalistic β -sitosterol based designer surfactants for efficient cross-coupling in water. <i>Journal of Organometallic Chemistry</i> , 2022 , 964, 122316 | 2.3 | 1 |
| 100 | β Cyclodextrin Supramolecular Recognition of bis-Cationic Dithienylethenes. <i>Organics</i> , 2022 , 3, 77-86 | 9 | |
| 99 | Metal Catalysis in Micellar Media 2022 , 451-466 | | 1 |
| 98 | Resorcin[4]arene Hexamer: From Nanocontainer to Nanocatalyst 2022 , 347-359 | | |
| 97 | Challenging synthesis of bisphosphonate derivatives with reduced steric hindrance. <i>Tetrahedron Letters</i> , 2021 , 70, 153012 | 2 | |
| 96 | Mesoporous zirconia nanoparticles as drug delivery systems: Drug loading, stability and release. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 61, 102189 | 4.5 | 4 |
| 95 | Recent designer surfactants for catalysis in water. <i>Catalysis Science and Technology</i> , 2020 , 10, 4492-4502 | 5.5 | 26 |
| 94 | endo-1-Phenylborneol as a novel, alternative chiral auxiliary for the aza-Diels-Alder reaction. <i>Tetrahedron Letters</i> , 2020 , 61, 152165 | 2 | 0 |
| 93 | Synthesis of C37-Alkenones for Past Climate Reconstructions. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 3542-3551 | 3.2 | |
| 92 | Zirconia-Based Magnetoplasmonic Nanocomposites: A New Nanotool for Magnetic-Guided Separations with SERS Identification. <i>ACS Applied Nano Materials</i> , 2020 , 3, 1232-1241 | 5.6 | 8 |
| 91 | Triphenylene based metal-pyridine cages. <i>Tetrahedron Letters</i> , 2019 , 60, 151202 | 2 | 0 |
| 90 | Insights into the synthesis of pillar[5]arene and its conversion into pillar[6]arene. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 1044-1051 | 5.2 | 4 |
| 89 | Functional bisphosphonate synthesis for the development of new anti-resorption bone drug candidates. <i>New Journal of Chemistry</i> , 2019 , 43, 12641-12649 | 3.6 | 2 |
| 88 | Surfactant for better tomorrow: applied aspect of surfactant aggregates from laboratory to industry. <i>Research on Chemical Intermediates</i> , 2019 , 45, 6021-6041 | 2.8 | 42 |
| 87 | CHAPTER 12:Transition Metal Catalysis in Micellar Media: Much More Than a Simple Green Chemistry Promise. <i>RSC Green Chemistry</i> , 2019 , 268-288 | 0.9 | 3 |
| 86 | Diketopyrrolopyrrole Bis-Phosphonate Conjugate: A New Fluorescent Probe for In Vitro Bone Imaging. <i>Chemistry - A European Journal</i> , 2019 , 25, 3617-3626 | 4.8 | 11 |

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| 85 | Highly efficient synthesis of C3-symmetric O-alkyl substituted triphenylenes and related Mannich derivatives. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 2458-2462 | 5.2 | 1 |
| 84 | Selective Hydrogenations and Dechlorinations in Water Mediated by Anionic Surfactant-Stabilized Pd Nanoparticles. <i>Journal of Organic Chemistry</i> , 2018 , 83, 7438-7446 | 4.2 | 19 |
| 83 | Micellar promoted alkenes isomerization in water mediated by a cationic half-sandwich Ru(II) complex. <i>Inorganica Chimica Acta</i> , 2017 , 455, 535-539 | 2.7 | 3 |
| 82 | Pyrrolidine-Containing Bisphosphonates as Potential Anti-Resorption Bone Drugs. <i>Chemistry - A European Journal</i> , 2017 , 23, 3474-3478 | 4.8 | 8 |
| 81 | Stereoselective Synthesis of Chiral Isatin Containing Bisphosphonates as Potential Anti-Resorption Bone Drugs. <i>ChemistrySelect</i> , 2017 , 2, 3262-3267 | 1.8 | 2 |
| 80 | Nitrile Containing Bisphosphonates: Easy Synthesis through Metal Catalyzed Michael Addition. <i>Helvetica Chimica Acta</i> , 2017 , 100, e1700104 | 2 | 2 |
| 79 | Towards life in hydrocarbons: aggregation behaviour of reverse surfactants in cyclohexane. <i>RSC Advances</i> , 2017 , 7, 15337-15341 | 3.7 | 5 |
| 78 | Metal-Catalyzed Baeyer-Villiger Oxidations 2017 , 1485-1508 | | 1 |
| 77 | Organocatalytic Enantioselective Epoxidation of Some Aryl-Substituted Vinylidenebisphosphonate Esters: On the Way to Chiral Anti-Osteoporosis Drugs. <i>Catalysts</i> , 2017 , 7, 90 | 4 | 3 |
| 76 | Efficient epoxide isomerization within a self-assembled hexameric organic capsule. <i>RSC Advances</i> , 2016 , 6, 83505-83509 | 3.7 | 27 |
| 75 | Supramolecular Activation of Hydrogen Peroxide in the Selective Sulfoxidation of Thioethers by a Self-Assembled Hexameric Capsule. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 3443-3449 | 5.6 | 27 |
| 74 | Catalysis Within the Self-Assembled Resorcin[4]arene Hexamer 2016 , 203-234 | | 9 |
| 73 | Hydration of aromatic alkynes catalyzed by a self-assembled hexameric organic capsule. <i>Catalysis Science and Technology</i> , 2016 , 6, 6031-6036 | 5.5 | 27 |
| 72 | Cation templated improved synthesis of pillar[6]arenes. <i>RSC Advances</i> , 2016 , 6, 48272-48275 | 3.7 | 5 |
| 71 | Micellar Nanoreactors 2016 , 1-16 | | 1 |
| 70 | Photomodulable phosphines incorporating diarylethene moieties. <i>RSC Advances</i> , 2015 , 5, 10795-10798 | 3.7 | 14 |
| 69 | Substrate selective amide coupling driven by encapsulation of a coupling agent within a self-assembled hexameric capsule. <i>Chemical Communications</i> , 2015 , 51, 1658-61 | 5.8 | 34 |
| 68 | Supramolecular Encapsulation of Neutral Diazoacetate Esters and Catalyzed 1,3-Dipolar Cycloaddition Reaction by a Self-Assembled Hexameric Capsule. <i>ChemCatChem</i> , 2015 , 7, 291-296 | 5.2 | 31 |

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|----|---|-----|-----|
| 67 | Recent advances in catalysis in micellar media. <i>Green Chemistry</i> , 2015 , 17, 644-683 | 10 | 366 |
| 66 | Supramolecular Catalysis in the Synthesis of Substituted 1 H-Tetrazoles from Isonitriles by a Self-Assembled Hexameric Capsule. <i>Asian Journal of Organic Chemistry</i> , 2015 , 4, 217-220 | 3 | 29 |
| 65 | Micellar promoted multi-component synthesis of 1,2,3-triazoles in water at room temperature. <i>Green Chemistry</i> , 2015 , 17, 1414-1422 | 10 | 46 |
| 64 | Surfactant-Induced Substrate Selectivity in the Palladium-Nanoparticle-Mediated Chemoselective Hydrogenation of Unsaturated Aldehydes in Water. <i>ChemCatChem</i> , 2014 , 6, 1575-1578 | 5.2 | 11 |
| 63 | Copper-mediated 1,4-Conjugate Addition of Boronic Acids and Indoles to Vinylidenebisphosphonate leading to gem-Bisphosphonates as Potential Antiresorption Bone Drugs. <i>ChemCatChem</i> , 2014 , 6, 2712-2718 | 5.2 | 13 |
| 62 | Sustainability Trends in Homogeneous Catalytic Oxidations 2014 , 679-766 | | 1 |
| 61 | Substrate selectivity in the alkyne hydration mediated by NHCAu(I) controlled by encapsulation of the catalyst within a hydrogen bonded hexameric host. <i>Catalysis Science and Technology</i> , 2013 , 3, 2898 | 5.5 | 49 |
| 60 | Catalytic Oxidation Processes 2013 , 177-221 | | 1 |
| 59 | Efficient isonitrile hydration through encapsulation within a hexameric self-assembled capsule and selective inhibition by a photo-controllable competitive guest. <i>Chemical Communications</i> , 2013 , 49, 5322-5324 | 5.8 | 50 |
| 58 | Competitive micellar induced substrate selectivity in the Pd mediated heck coupling between iodoaryl substrates and linear acrylic esters in water. <i>Journal of Molecular Catalysis A</i> , 2013 , 379, 192-196 | | 7 |
| 57 | Chiral M3L2 self-assembled capsules through metal coordination of enantiopure ligating benzocyclotrimers: NMR spectroscopic and ESI mass spectrometric investigation. <i>Chemistry - A European Journal</i> , 2013 , 19, 5701-14 | 4.8 | 19 |
| 56 | Environmentally Benign Oxidants 2013 , 1-20 | | 12 |
| 55 | Water enhanced synthesis of gem-bisphosphonates via Rh(I) mediated 1,4-conjugate addition of aryl boronic acids to vinylidenebisphosphonate esters. <i>Green Chemistry</i> , 2013 , 15, 656 | 10 | 11 |
| 54 | Transition-Metal Catalyzed Stereoselective Oxidations in Drug and Natural Product Synthesis 2013 , 1-28 | | |
| 53 | Low toxicity and unprecedented anti-osteoclast activity of a simple sulfur-containing gem-bisphosphonate: a comparative study. <i>European Journal of Medicinal Chemistry</i> , 2013 , 65, 448-55 | 6.8 | 16 |
| 52 | Switching the activity of a photoredox catalyst through reversible encapsulation and release. <i>Chemical Communications</i> , 2012 , 48, 12082-4 | 5.8 | 32 |
| 51 | Platinum(II) Complexes with Coordinated Electron-Withdrawing Fluoroalkyl and Fluoroaryl Ligands: Synthesis, Reactivity, and Catalytic Activity. <i>Organometallics</i> , 2012 , 31, 1257-1270 | 3.8 | 23 |
| 50 | Platinum(II) Diphosphinamine Complexes for the Efficient Hydration of Alkynes in Micellar Media. <i>Advanced Synthesis and Catalysis</i> , 2012 , 354, 1095-1104 | 5.6 | 49 |

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|----|---|------|-----|
| 49 | Capsules and Cavitands: Synthetic Catalysts of Nanometric Dimension 2011 , 105-168 | | 13 |
| 48 | Micellar-driven substrate selectivity in Cr(salen)Cl catalytic Diels-Alder reaction in water. <i>Tetrahedron Letters</i> , 2011 , 52, 6978-6981 | 2 | 17 |
| 47 | Supramolecular control on chemo- and regioselectivity via encapsulation of (NHC)-Au catalyst within a hexameric self-assembled host. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2848-51 | 16.4 | 172 |
| 46 | Efficient nitrile hydration mediated by RuII catalysts in micellar media. <i>Green Chemistry</i> , 2010 , 12, 790 | 10 | 56 |
| 45 | Highly Active and Selective Platinum(II)-Catalyzed Isomerization of Allylbenzenes: Efficient Access to (E)-Anethole and Other Fragrances via Unusual Agostic Intermediates. <i>Organometallics</i> , 2010 , 29, 1487-1497 | 3.8 | 73 |
| 44 | Green Catalytic Baeyer-Villiger Oxidation with Hydrogen Peroxide in Water Mediated by PtII Catalysts. <i>ChemCatChem</i> , 2010 , 2, 1296-1302 | 5.2 | 15 |
| 43 | Efficient Platinum(II) Catalyzed Hydroformylation Reaction in Water: Unusual Product Distribution in Micellar Media. <i>Advanced Synthesis and Catalysis</i> , 2010 , 352, 2251-2262 | 5.6 | 34 |
| 42 | The Baeyer-Villiger oxidation of ketones: A paradigm for the role of soft Lewis acidity in homogeneous catalysis. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 646-660 | 23.2 | 95 |
| 41 | Catalytic asymmetric Baeyer-Villiger oxidation in water by using Pt(II) catalysts and hydrogen peroxide: supramolecular control of enantioselectivity. <i>Chemistry - A European Journal</i> , 2009 , 15, 7930-9 | 4.8 | 69 |
| 40 | Gases as guests in benzocyclotrimer cage hosts. <i>Organic Letters</i> , 2009 , 11, 3926-9 | 6.2 | 41 |
| 39 | Asymmetric Baeyer-Villiger oxidation with Co(Salen) and H ₂ O ₂ in water: striking supramolecular micelles effect on catalysis. <i>Green Chemistry</i> , 2009 , 11, 1517 | 10 | 52 |
| 38 | Mild catalytic oxidation of secondary and tertiary amines to nitrones and N-oxides with H ₂ O ₂ mediated by Pt(II) catalysts. <i>Green Chemistry</i> , 2008 , 10, 793 | 10 | 50 |
| 37 | Unprecedented Selectivity in the H ₂ O ₂ Epoxidation of Simple Alkenes Imparted by Soft Pt(II) Lewis Acid Catalysts 2008 , 103-117 | | 0 |
| 36 | Platinum(II) diphosphine complexes as catalysts for the Baeyer-Villiger oxidation of ketones: Is it possible to increase the concentration of the active species?. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3230-3236 | 2.7 | 20 |
| 35 | Lewis acidity of platinum(II)-based Baeyer-Villiger catalysts: An electrochemical approach. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3247-3253 | 2.7 | 9 |
| 34 | Tripodal, cooperative, and allosteric transphosphorylation metallocatalysts. <i>Journal of Organic Chemistry</i> , 2007 , 72, 376-85 | 4.2 | 50 |
| 33 | Regioselectivity and diastereoselectivity in Pt(II)-mediated "green" catalytic epoxidation of terminal alkenes with hydrogen peroxide: mechanistic insight into a peculiar substrate selectivity. <i>Journal of the American Chemical Society</i> , 2007 , 129, 7680-9 | 16.4 | 69 |
| 32 | Steric Effects in the Baeyer-Villiger Oxidation of Ketones Catalyzed by Platinum(II) Lewis Acid Complexes with Coordinated Electron-Donor Alkyl Diphosphines. <i>Organometallics</i> , 2007 , 26, 2714-2719 | 3.8 | 17 |

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|----|--|------|----|
| 31 | Gas hosting in enantiopure self-assembled oximes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4972-5 | 16.4 | 61 |
| 30 | Inside Cover: Gas Hosting in Enantiopure Self-Assembled Oximes (Angew. Chem. Int. Ed. 26/2007). <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4800-4800 | 16.4 | 1 |
| 29 | Gas Hosting in Enantiopure Self-Assembled Oximes. <i>Angewandte Chemie</i> , 2007 , 119, 5060-5063 | 3.6 | 15 |
| 28 | Innentitelbild: Gas Hosting in Enantiopure Self-Assembled Oximes (Angew. Chem. 26/2007). <i>Angewandte Chemie</i> , 2007 , 119, 4884-4884 | 3.6 | 1 |
| 27 | Towards a Greener Epoxidation Method: Use of Water-Surfactant Media and Catalyst Recycling in the Platinum-Catalyzed Asymmetric Epoxidation of Terminal Alkenes with Hydrogen Peroxide. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 797-801 | 5.6 | 50 |
| 26 | Synthesis, characterization and Baeyer-Villiger oxidation of ketones by the bis-cationic platinum(II) complex [Pt(EOH)(Pom-Pom)] ₂ [BF ₄] ₂ [Pom-Pom=(OMe) ₂ PCH ₂ CH ₂ P(OMe) ₂]. <i>Journal of Molecular Catalysis A</i> , 2007 , 261, 202-206 | | 12 |
| 25 | Tailoring Pt(II) Chiral Catalyst Design for Asymmetric Baeyer-Villiger Oxidation of Cyclic Ketones with Hydrogen Peroxide. <i>Synlett</i> , 2006 , 2006, 3515-3520 | 2.2 | 2 |
| 24 | Chiral Spaces in Supramolecular Assemblies. <i>Topics in Current Chemistry</i> , 2006 , 1-46 | | 43 |
| 23 | Second-Generation Electron-Poor Platinum(II) Complexes as Efficient Epoxidation Catalysts for Terminal Alkenes with Hydrogen Peroxide. <i>Organometallics</i> , 2006 , 25, 3056-3062 | 3.8 | 27 |
| 22 | Asymmetric epoxidation of terminal alkenes with hydrogen peroxide catalyzed by pentafluorophenyl Pt(II) complexes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14006-7 | 16.4 | 86 |
| 21 | Bis-phosphine monoxide platinum(II) and palladium(II) cationic complexes as Lewis acid catalysts in Diels-Alder and sulfoxidation reactions. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 3659-3666 | 2.3 | 10 |
| 20 | Baeyer-Villiger Oxidation of Ketones Catalyzed by Platinum(II) Lewis Acid Complexes Containing Coordinated Electron-Poor Fluorinated Diphosphines. <i>Organometallics</i> , 2005 , 24, 1012-1017 | 3.8 | 28 |
| 19 | The Pt(II)-catalyzed Baeyer-Villiger oxidation of cyclohexanone with H ₂ O ₂ in ionic liquids. <i>Green Chemistry</i> , 2005 , 7, 262 | 10 | 37 |
| 18 | DNA and RNA-cleaving Pseudo-peptides 2005 , 223-240 | | |
| 17 | Asymmetric Sulfoxidation of Thioethers with Hydrogen Peroxide in Water Mediated by Platinum Chiral Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2005 , 347, 1227-1234 | 5.6 | 59 |
| 16 | Isotopomer encapsulation in a cylindrical molecular capsule: a probe for understanding noncovalent isotope effects on a molecular level. <i>Journal of the American Chemical Society</i> , 2004 , 126, 7738-9 | 16.4 | 61 |
| 15 | Single molecule solvation and its effects on tautomeric equilibria in a self-assembled capsule. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8956-60 | 16.4 | 20 |
| 14 | Mechanically regulated rotation of a guest in a nanoscale host. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12728-9 | 16.4 | 56 |

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|----|---|------|-----|
| 13 | Equilibrium isotope effects as a probe of nonbonding attractions. <i>Journal of the American Chemical Society</i> , 2004 , 126, 11428-9 | 16.4 | 41 |
| 12 | Helical folding of alkanes in a self-assembled, cylindrical capsule. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13512-8 | 16.4 | 144 |
| 11 | Chiral Spaces in Encapsulation Complexes 2004 , 261-270 | | 2 |
| 10 | Encapsulation Induces Helical Folding of Alkanes. <i>Angewandte Chemie</i> , 2003 , 115, 5657-5660 | 3.6 | 43 |
| 9 | Encapsulation induces helical folding of alkanes. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 5499-502 | 16.4 | 105 |
| 8 | Asymmetric environments in encapsulation complexes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 6239-43 | 16.4 | 67 |
| 7 | Individual solvent/solute interactions through social isomerism. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13981-3 | 16.4 | 35 |
| 6 | Coencapsulation of large and small hydrocarbons. <i>Chemical Communications</i> , 2003 , 1230-1 | 5.8 | 40 |
| 5 | A peptide template as an allosteric supramolecular catalyst for the cleavage of phosphate esters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 5144-9 | 11.5 | 74 |
| 4 | Allosteric Regulation of an HIV-1 Protease Inhibitor by Zn Ions. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3899-3902 | 16.4 | 12 |
| 3 | Allosteric Regulation of an HIV-1 Protease Inhibitor by Zn(II) Ions This work was funded by MURST (COFIN2000-MM03194891). We thank Prof. P. Tecilla (U. Trieste) for valuable comments.. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3899-3902 | 16.4 | 1 |
| 2 | Optically Active Supramolecules | | 3 |
| 1 | Nanoconfinement Effects of Micellar Media in Asymmetric Catalysis. <i>Advanced Synthesis and Catalysis</i> , | 5.6 | 1 |