

Alessandro Scarso

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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	Recent advances in catalysis in micellar media. <i>Green Chemistry</i> , 2015 , 17, 644-683	10	366
101	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
100	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
99	Encapsulation induces helical folding of alkanes. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 5499-502	16.4	105
98	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
97	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
96	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
95	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, 1487-9	14.973	73
94	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
93	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
92	Asymmetric environments in encapsulation complexes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 6239-43	16.4	67
91	Gas hosting in enantiopure self-assembled oximes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4972-5	16.4	61
90	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
89	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
88	Efficient nitrile hydration mediated by Ru(II) catalysts in micellar media. <i>Green Chemistry</i> , 2010 , 12, 790	10	56
87	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
86	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

85	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, 5322-24	5.8	50
84	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
83	Tripodal, cooperative, and allosteric transphosphorylation metallocatalysts. <i>Journal of Organic Chemistry</i> , 2007 , 72, 376-85	4.2	50
82	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
81	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
80	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
79	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
78	Chiral Spaces in Supramolecular Assemblies. <i>Topics in Current Chemistry</i> , 2006 , 1-46		43
77	Encapsulation Induces Helical Folding of Alkanes. <i>Angewandte Chemie</i> , 2003 , 115, 5657-5660	3.6	43
76	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
75	Gases as guests in benzocyclootrimer cage hosts. <i>Organic Letters</i> , 2009 , 11, 3926-9	6.2	41
74	Equilibrium isotope effects as a probe of nonbonding attractions. <i>Journal of the American Chemical Society</i> , 2004 , 126, 11428-9	16.4	41
73	Coencapsulation of large and small hydrocarbons. <i>Chemical Communications</i> , 2003 , 1230-1	5.8	40
72	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
71	Individual solvent/solute interactions through social isomerism. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13981-3	16.4	35
70	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
69	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
68	Switching the activity of a photoredox catalyst through reversible encapsulation and release. <i>Chemical Communications</i> , 2012 , 48, 12082-4	5.8	32

67	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
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	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
64	Efficient epoxide isomerization within a self-assembled hexameric organic capsule. <i>RSC Advances</i> , 2016 , 6, 83505-83509	3.7	27
63	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
62	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
61	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
60	Recent designer surfactants for catalysis in water. <i>Catalysis Science and Technology</i> , 2020 , 10, 4492-4502	5.5	26
59	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
58	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
57	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
56	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
55	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
54	Micellar-driven substrate selectivity in Cr(salen)Cl catalytic Diels-Alder reaction in water. <i>Tetrahedron Letters</i> , 2011 , 52, 6978-6981	2	17
53	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
52	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
51	Green Catalytic Baeyer-Villiger Oxidation with Hydrogen Peroxide in Water Mediated by Pt(II) Catalysts. <i>ChemCatChem</i> , 2010 , 2, 1296-1302	5.2	15
50	Gas Hosting in Enantiopure Self-Assembled Oximes. <i>Angewandte Chemie</i> , 2007 , 119, 5060-5063	3.6	15

49	Photomodulable phosphines incorporating diarylethene moieties. <i>RSC Advances</i> , 2015 , 5, 10795-10798	3.7	14
48	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
47	Capsules and Cavitands: Synthetic Catalysts of Nanometric Dimension 2011 , 105-168		13
46	Environmentally Benign Oxidants 2013 , 1-20		12
45	Synthesis, characterization and Baeyer-Villiger oxidation of ketones by the bis-cationic platinum(II) complex [Pt(EDH)(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
44	Allosteric Regulation of an HIV-1 Protease Inhibitor by Zn Ions. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3899-3902	16.4	12
43	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
42	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
41	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
40	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
39	Catalysis Within the Self-Assembled Resorcin[4]arene Hexamer 2016 , 203-234		9
38	Lewis acidity of platinum(II)-based Baeyer-Villiger catalysts: An electrochemical approach. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3247-3253	2.7	9
37	Pyrrolidine-Containing Bisphosphonates as Potential Anti-Resorption Bone Drugs. <i>Chemistry - A European Journal</i> , 2017 , 23, 3474-3478	4.8	8
36	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
35	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
34	Towards life in hydrocarbons: aggregation behaviour of reverse-surfactants in cyclohexane. <i>RSC Advances</i> , 2017 , 7, 15337-15341	3.7	5
33	Cation templated improved synthesis of pillar[6]arenes. <i>RSC Advances</i> , 2016 , 6, 48272-48275	3.7	5
32	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

31	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
30	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
29	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
28	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
27	Optically Active Supramolecules 29-65		3
26	Stereoselective Synthesis of Chiral Isatin Containing Bisphosphonates as Potential Anti-Resorption Bone Drugs. <i>ChemistrySelect</i> , 2017 , 2, 3262-3267	1.8	2
25	Nitrile Containing Bisphosphonates: Easy Synthesis through Metal Catalyzed Michael Addition. <i>Helvetica Chimica Acta</i> , 2017 , 100, e1700104	2	2
24	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
23	Tailoring Pt(II) Chiral Catalyst Design for Asymmetric Baeyer-Villiger α -Oxidation of Cyclic Ketones with Hydrogen Peroxide. <i>Synlett</i> , 2006 , 2006, 3515-3520	2.2	2
22	Chiral Spaces in Encapsulation Complexes 2004 , 261-270		2
21	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
20	Catalytic Oxidation Processes 2013 , 177-221		1
19	Metal-Catalyzed Baeyer-Villiger Oxidations 2017 , 1485-1508		1
18	Sustainability Trends in Homogeneous Catalytic Oxidations 2014 , 679-766		1
17	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
16	Innentitelbild: Gas Hosting in Enantiopure Self-Assembled Oximes (Angew. Chem. 26/2007). <i>Angewandte Chemie</i> , 2007 , 119, 4884-4884	3.6	1
15	Micellar Nanoreactors 2016 , 1-16		1
14	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

13	Minimalistic β -sitosterol based designer surfactants for efficient cross-coupling in water. <i>Journal of Organometallic Chemistry</i> , 2022 , 964, 122316	2.3	1
12	Metal Catalysis in Micellar Media 2022 , 451-466		1
11	Nanoconfinement Effects of Micellar Media in Asymmetric Catalysis. <i>Advanced Synthesis and Catalysis</i> ,	5.6	1
10	Triphenylene based metal-pyridine cages. <i>Tetrahedron Letters</i> , 2019 , 60, 151202	2	0
9	endo-1-Phenylborneol as a novel, alternative chiral auxiliary for the aza-Diels-Alder reaction. <i>Tetrahedron Letters</i> , 2020 , 61, 152165	2	0
8	Unprecedented Selectivity in the H ₂ O ₂ Epoxidation of Simple Alkenes Imparted by Soft Pt(II) Lewis Acid Catalysts 2008 , 103-117		0
7	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
6	Synthesis of C37-Alkenones for Past Climate Reconstructions. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 3542-3551	3.2	
5	Transition-Metal Catalyzed Stereoselective Oxidations in Drug and Natural Product Synthesis 2013 , 1-28		
4	DNA and RNA-cleaving Pseudo-peptides 2005 , 223-240		
3	Challenging synthesis of bisphosphonate derivatives with reduced steric hindrance. <i>Tetrahedron Letters</i> , 2021 , 70, 153012	2	
2	β Cyclodextrin Supramolecular Recognition of bis-Cationic Dithienylethenes. <i>Organics</i> , 2022 , 3, 77-86	9	
1	Resorcin[4]arene Hexamer: From Nanocontainer to Nanocatalyst 2022 , 347-359		