Katia Martina

List of Publications by Year
in descending order

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75 papers	2,068 citations	218381 26 h-index	264894 42 g-index
82 all docs	82 docs citations	82 times ranked	2815 citing authors

#	Article	IF	Citations
1	3-Aminopyrazole Inhibitors of CDK2/Cyclin A as Antitumor Agents. 1. Lead Finding. Journal of Medicinal Chemistry, 2004, 47, 3367-3380.	2.9	150
2	Recent advances and perspectives in the synthesis of bioactive coumarins. RSC Advances, 2016, 6, 46394-46405.	1.7	113
3	Cdc7 Kinase Inhibitors: Pyrrolopyridinones as Potential Antitumor Agents. 1. Synthesis and Structureâ€“Activity Relationships. Journal of Medicinal Chemistry, 2008, 51, 487-501.	2.9	82
4	In situ cross-linked chitosan Cu(I) or Pd(II) complexes as a versatile, eco-friendly recyclable solid catalyst. Journal of Molecular Catalysis A, 2011, 334, 60-64.	4.8	78
5	Microwave-assisted synthesis of N-heterocycles in medicinal chemistry. MedChemComm, 2013, 4, 1323.	3.5	77
6	First Cdc7 Kinase Inhibitors: Pyrrolopyridinones as Potent and Orally Active Antitumor Agents. 2. Lead Discovery. Journal of Medicinal Chemistry, 2009, 52, 293-307.	2.9	72
7	Cyclodextrin nanosponges as effective gas carriers. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 71, 189-194.	1.6	72
8	The effects of 1-MCP in cyclodextrin-based nanosponges to improve the vase life of Dianthus caryophyllus cut flowers. Postharvest Biology and Technology, 2011, 59, 200-205.	2.9	65
9	Cdc7 Kinase Inhibitors: 5-Heteroaryl-3-Carboxamido-2-Aryl Pyrroles as Potential Antitumor Agents. 1. Lead Finding. Journal of Medicinal Chemistry, 2010, 53, 7296-7315.	2.9	60
10	Efficient Synthetic Protocols in Glycerol under Heterogeneous Catalysis. ChemSusChem, 2011, 4, 1130-1134.	3.6	60
11	Green Protocols in Heterocycle Syntheses via 1,3-Dipolar Cycloadditions. Frontiers in Chemistry, 2019, 7, 95.	1.8	55
12	Solvent-Free Copper-Catalyzed Azide-Alkyne Cycloaddition under Mechanochemical Activation. Molecules, 2015, 20, 2837-2849.	1.7	48
13	Impact of Microwaves on Organic Synthesis and Strategies toward Flow Processes and Scaling Up. Journal of Organic Chemistry, 2021, 86, 13857-13872.	1.7	44
14	One-pot sequential synthesis of isocyanates and urea derivatives via a microwave-assisted Staudingerâ€“aza-Wittig reaction. Beilstein Journal of Organic Chemistry, 2013, 9, 2378-2386.	1.3	43
15	New cyclodextrin dimers and trimers capable of forming supramolecular adducts with shape-specific ligands. Organic and Biomolecular Chemistry, 2009, 7, 370-379.	1.5	42
16	Substituted 4-hydroxy-1,2,3-triazoles: synthesis, characterization and first drug design applications through bioisosteric modulation and scaffold hopping approaches. MedChemComm, 2015, 6, 1285-1292.	3.5	40
17	Methotrexate-Loaded Solid Lipid Nanoparticles: Protein Functionalization to Improve Brain Biodistribution. Pharmaceutics, 2019, 11, 65.	2.0	39
18	Harnessing cavitational effects for green process intensification. Ultrasonics Sonochemistry, 2019, 52, 530-546.	3.8	37

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19	Improved Protocols for Microwave-Assisted Cu(I)-Catalyzed Huisgen 1,3-Dipolar Cycloadditions. Collection of Czechoslovak Chemical Communications, 2007, 72, 1014-1024.	1.0	36
20	Recent advances in the synthesis of cyclodextrin derivatives under microwaves and power ultrasound. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 57, 3-7.	1.6	36
21	Interplay Between Mechanochemistry and Sonochemistry. Topics in Current Chemistry, 2014, 369, 239-284.	4.0	31
22	New asymmetrical per-substituted cyclodextrins (2-O-methyl-3-O-ethyl- and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (2-O-ethyl-3-O chromatography in the flavour and fragrance field. Journal of Chromatography A, 2010, 1217, 1106-1113.	1.8	30
23	Efficient Green Protocols for Preparation of Highly Functionalized Î²-Cyclodextrin-Grafted Silica. ACS Sustainable Chemistry and Engineering, 2014, 2, 2595-2603.	3.2	29
24	Eco-Friendly Physical Activation Methods for Suzukiâ€“Miyaura Reactions. Catalysts, 2017, 7, 98.	1.6	29
25	Recent Applications of Cyclodextrins as Food Additives and in Food Processing. Current Nutrition and Food Science, 2013, 9, 167-179.	0.3	29
26	Cyclodextrinâ€Grafted Silicaâ€Supported Pd Nanoparticles: An Efficient and Versatile Catalyst for Ligandâ€Free Câˆ'C Coupling and Hydrogenation. ChemCatChem, 2016, 8, 1176-1184.	1.8	27
27	Efficient regioselective functionalizations of cyclodextrins carried out under microwaves or power ultrasound. Tetrahedron Letters, 2007, 48, 9185-9189.	0.7	26
28	Soluble cyanine dye/Î²-cyclodextrin derivatives: Potential carriers for drug delivery and optical imaging. Dyes and Pigments, 2015, 114, 204-214.	2.0	26
29	Cyclodextrins in the antiviral therapy. Journal of Drug Delivery Science and Technology, 2021, 64, 102589.	1.4	26
30	Highly Efficient Microwave-Assisted CO Aminocarbonylation with a Recyclable Pd(II)/TPP-Î²-Cyclodextrin Cross-Linked Catalyst. Organic Process Research and Development, 2015, 19, 499-505.	1.3	25
31	Nanoemulsions as Delivery Systems for Poly-Chemotherapy Aiming at Melanoma Treatment. Cancers, 2020, 12, 1198.	1.7	25
32	Pd/C-catalyzed aerobic oxidative esterïï¬cation of alcohols and aldehydes: a highly efficient microwave-assisted green protocol. Beilstein Journal of Organic Chemistry, 2014, 10, 1454-1461.	1.3	24
33	Nucleophilic Substitutions of 6I-O-Monotosyl-Î²-cyclodextrin in a Planetary Ball Mill. ACS Sustainable Chemistry and Engineering, 2016, 4, 919-929.	3.2	24
34	Enabling technologies and green processes in cyclodextrin chemistry. Beilstein Journal of Organic Chemistry, 2016, 12, 278-294.	1.3	22
35	Microwave-Assisted, Green Synthesis of 4(3H)-Quinazolinones under CO Pressure in Î³-Valerolactone and Reusable Pd/Î²-Cyclodextrin Cross-Linked Catalyst. ACS Sustainable Chemistry and Engineering, 2017, 5, 9233-9243.	3.2	22
36	Î²-Cyclodextrin-based nanosponges as carriers for 1-MCP in extending the postharvest longevity of carnation cut flowers: an evaluation of different degrees of cross-linking. Plant Growth Regulation, 2011, 65, 505-511.	1.8	21

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37	Improving the electrocatalytic performance of sustainable Co/carbon materials for the oxygen evolution reaction by ultrasound and microwave assisted synthesis. Sustainable Energy and Fuels, 2021, 5, 720-731.	2.5	21
38	Efficient mechanochemical synthesis of regioselective persubstituted cyclodextrins. Beilstein Journal of Organic Chemistry, 2016, 12, 2364-2371.	1.3	19
39	Combined Microwaves/Ultrasound, a Hybrid Technology. Topics in Current Chemistry, 2016, 374, 79.	3.0	19
40	Glycerol: An Optimal Hydrogen Source for Microwave-Promoted Cu-Catalyzed Transfer Hydrogenation of Nitrobenzene to Aniline. Frontiers in Chemistry, 2020, 8, 34.	1.8	19
41	A new class of cationic cyclodextrins: synthesis and chemico-physical properties. New Journal of Chemistry, 2010, 34, 2013.	1.4	18
42	Kabachnikâ€“Fields Reaction by Mechanochemistry: New Horizons from Old Methods. ACS Sustainable Chemistry and Engineering, 2020, 8, 18889-18902.	3.2	18
43	A New Access to Homo- and Heterodimers of Î±-, Î²-, and Î³-Cyclodextrin by a Microwave-Promoted Huisgen Cycloaddition. Synlett, 2008, 2008, 2642-2646.	1.0	17
44	Design and Synthesis of a Î³¹Î²⁸â€Cyclodextrin Oligomer: A New Platform with Potential Application as a Dendrimeric Multicarrier. Chemistry - A European Journal, 2013, 19, 12086-12092.	1.7	17
45	Sonochemically-Promoted Preparation of Silica-Anchored Cyclodextrin Derivatives for Efficient Copper Catalysis. Molecules, 2019, 24, 2490.	1.7	16
46	Microwaveâ€Assisted Synthesis and Physicochemical Characterization of Tetrafuranylporphyrinâ€Grafted Reducedâ€Graphene Oxide. Chemistry - A European Journal, 2016, 22, 1608-1613.	1.7	15
47	Selective hydrogenation of alkynes over ppm-level Pd/boehmite/Al₂O₃ beads in a continuous-flow reactor. Catalysis Science and Technology, 2017, 7, 4780-4791.	2.1	15
48	Tuneable Copper Catalysed Transfer Hydrogenation of Nitrobenzenes to Aniline or Azo Derivatives. Advanced Synthesis and Catalysis, 2020, 362, 2689-2700.	2.1	15
49	Regioselective Nâ€Alkylation of Ethyl 4â€Benzyloxyâ€1,2,3â€triazolecarboxylate: A Useful Tool for the Synthesis of Carboxylic Acid Bioisosteres. Journal of Heterocyclic Chemistry, 2019, 56, 501-519.	1.4	14
50	Si-Gly-CD-PdNPs as a hybrid heterogeneous catalyst for environmentally friendly continuous flow Sonogashira cross-coupling. Green Chemistry, 2021, 23, 7210-7218.	4.6	14
51	A novel SWCNT platform bearing DOTA and Î²-cyclodextrin units. â€œOne shotâ€•multidecoration under microwave irradiation. Organic and Biomolecular Chemistry, 2014, 12, 4708-4715.	1.5	13
52	Highly efficient nitrobenzene and alkyl/aryl azide reduction in stainless steel jars without catalyst addition. New Journal of Chemistry, 2018, 42, 18881-18888.	1.4	13
53	Highly Efficient Mechanochemical N-Arylation of Amino Alcohols and Diamines with Cu0 Powder. Synlett, 2015, 26, 2789-2794.	1.0	12
54	Structure and Self-Aggregation of Mono- and Bis(cyclodextrin) Derivatives in Aqueous Media: Fluorescence, Induced Circular Dichroism, and Molecular Dynamics. Journal of Physical Chemistry C, 2010, 114, 22431-22440.	1.5	11

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55	Complexes of peracetylated cyclodextrin in a non-aqueous aprotic medium: the role of residual water. Physical Chemistry Chemical Physics, 2015, 17, 17380-17390.	1.3	11
56	Microwave Irradiation in Microâ€•Mesoâ€Fluidic Systems; Hybrid Technology has Issued the Challenge. Chemical Record, 2019, 19, 98-117.	2.9	10
57	Reaction of oxiranes with cyclodextrins under high-energy ball-milling conditions. Beilstein Journal of Organic Chemistry, 2019, 15, 1448-1459.	1.3	10
58	Synthesis, characterization and potential application of monoacyl-cyclodextrins. Carbohydrate Research, 2010, 345, 191-198.	1.1	9
59	Surface modification and cellular uptake evaluation of Au-coated Ni ₈₀ Fe ₂₀ nanodiscs for biomedical applications. Interface Focus, 2016, 6, 20160052.	1.5	9
60	Synthesis and characterization of porphyrin functionalized nanodiamonds. Diamond and Related Materials, 2019, 91, 22-28.	1.8	9
61	New poly ether ether ketones containing phosphorus for membrane preparation. Asia-Pacific Journal of Chemical Engineering, 2010, 5, 249-255.	0.8	7
62	Synthesis of water-soluble multidentate aminoalcohol Î²-cyclodextrin derivatives via epoxide opening. Carbohydrate Research, 2011, 346, 2677-2682.	1.1	6
63	Efficient microwave-assisted synthetic protocols and in silico behaviour prediction of per-substituted Î²-cyclodextrins. Organic and Biomolecular Chemistry, 2013, 11, 5521.	1.5	6
64	Copper(0) nanoparticle catalyzed Zâ€Selective Transfer Semihydrogenation of Internal Alkynes. Advanced Synthesis and Catalysis, 2021, 363, 2850-2860.	2.1	6
65	Versatile Monitoring Tools in Parallel Solid-Phase Synthesis. Chimia, 2003, 57, 229-236.	0.3	5
66	Thermodynamics of the complexation of mono- and bis-cyclodextrin derivatives with a polarity sensitive probe: Fluorescence, Induced Circular Dichroism and molecular modelling. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 237, 38-48.	2.0	5
67	Improving the esterification activity of Pseudomonas fluorescens and Burkholderia cepacia lipases via cross-linked cyclodextrin immobilization. RSC Advances, 2014, 4, 45772-45777.	1.7	5
68	Predicting self-assembly and structure in diluted aqueous solutions of modified mono- and bis-Î²-cyclodextrins that contain naphthoxy chromophore groups. New Journal of Chemistry, 2015, 39, 1714-1724.	1.4	5
69	Derivatization Reactions of Heterocyclic Scaffolds on Solid Phase: Tools for the Synthesis of Drug-Like Molecule Libraries. Methods in Enzymology, 2003, 369, 435-469.	0.4	3
70	Î²-Cyclodextrin-Silica Hybrid: A Spatially Controllable Anchoring Strategy for Cu(II)/Cu(I) Complex Immobilization. Catalysts, 2020, 10, 1118.	1.6	3
71	Organisation and complexation of mono- and bis-Î²-cyclodextrins without chromophores with a fluorescence-sensitive probe in aqueous solutions. Supramolecular Chemistry, 2015, 27, 508-521.	1.5	2
72	Amino derivatives of PEEKâ€WC. Journal of Applied Polymer Science, 2010, 117, 2258-2264.	1.3	1

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73	Highly efficient Synthesis of per-substituted amino-cyclodextrins under Microwave Irradiation in a closed Cavity. Materials Research Society Symposia Proceedings, 2013, 1492, 177-182.	0.1	1
74	Versatile Monitoring Tools in Parallel Solid-Phase Synthesis. ChemInform, 2003, 34, no.	0.1	0
75	Derivatization Reactions of Heterocyclic Scaffolds on Solid Phase: Tools for Synthesis of Drug-Like Molecule Libraries. ChemInform, 2005, 36, no.	0.1	0