

# Katia Martina

## List of Publications by Citations

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74  
papers

1,609  
citations

23  
h-index

37  
g-index

82  
ext. papers

1,858  
ext. citations

4.5  
avg, IF

4.57  
L-index

#	Paper	IF	Citations
74	3-Aminopyrazole inhibitors of CDK2/cyclin A as antitumor agents. 1. Lead finding. <i>Journal of Medicinal Chemistry</i> , <b>2004</b> , 47, 3367-80	8.3	137
73	Recent advances and perspectives in the synthesis of bioactive coumarins. <i>RSC Advances</i> , <b>2016</b> , 6, 46394-46405	4.6	586
72	In situ cross-linked chitosan Cu(I) or Pd(II) complexes as a versatile, eco-friendly recyclable solid catalyst. <i>Journal of Molecular Catalysis A</i> , <b>2011</b> , 334, 60-64		72
71	Cdc7 kinase inhibitors: pyrrolopyridinones as potential antitumor agents. 1. Synthesis and structure-activity relationships. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 487-501	8.3	72
70	Microwave-assisted synthesis of N-heterocycles in medicinal chemistry. <i>MedChemComm</i> , <b>2013</b> , 4, 1323	5	64
69	First Cdc7 kinase inhibitors: pyrrolopyridinones as potent and orally active antitumor agents. 2. Lead discovery. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 293-307	8.3	59
68	The effects of 1-MCP in cyclodextrin-based nanosponges to improve the vase life of <i>Dianthus caryophyllus</i> cut flowers. <i>Postharvest Biology and Technology</i> , <b>2011</b> , 59, 200-205	6.2	58
67	Cyclodextrin nanosponges as effective gas carriers. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2011</b> , 71, 189-194		58
66	Efficient synthetic protocols in glycerol under heterogeneous catalysis. <i>ChemSusChem</i> , <b>2011</b> , 4, 1130-4	8.3	54
65	Cdc7 kinase inhibitors: 5-heteroaryl-3-carboxamido-2-aryl pyrroles as potential antitumor agents. 1. Lead finding. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 7296-315	8.3	49
64	New cyclodextrin dimers and trimers capable of forming supramolecular adducts with shape-specific ligands. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 370-9	3.9	39
63	Green Protocols in Heterocycle Syntheses via 1,3-Dipolar Cycloadditions. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 95	5	37
62	Solvent-free copper-catalyzed azide-alkyne cycloaddition under mechanochemical activation. <i>Molecules</i> , <b>2015</b> , 20, 2837-49	4.8	36
61	Substituted 4-hydroxy-1,2,3-triazoles: synthesis, characterization and first drug design applications through bioisosteric modulation and scaffold hopping approaches. <i>MedChemComm</i> , <b>2015</b> , 6, 1285-1292	5	33
60	Improved Protocols for Microwave-Assisted Cu(I)-Catalyzed Huisgen 1,3-Dipolar Cycloadditions. <i>Collection of Czechoslovak Chemical Communications</i> , <b>2007</b> , 72, 1014-1024		33
59	One-pot sequential synthesis of isocyanates and urea derivatives via a microwave-assisted Staudinger-aza-Wittig reaction. <i>Beilstein Journal of Organic Chemistry</i> , <b>2013</b> , 9, 2378-86	2.5	30
58	Recent advances in the synthesis of cyclodextrin derivatives under microwaves and power ultrasound. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2007</b> , 57, 3-7		30

57	Recent Applications of Cyclodextrins as Food Additives and in Food Processing. <i>Current Nutrition and Food Science</i> , <b>2013</b> , 9, 167-179	0.7	28
56	Efficient Green Protocols for Preparation of Highly Functionalized $\beta$ -Cyclodextrin-Grafted Silica. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 2595-2603	8.3	26
55	Eco-Friendly Physical Activation Methods for Suzuki-Miyaura Reactions. <i>Catalysts</i> , <b>2017</b> , 7, 98	4	26
54	New asymmetrical per-substituted cyclodextrins (2-O-methyl-3-O-ethyl- and 2-O-ethyl-3-O-methyl-6-O-t-butyl-dimethylsilyl-beta-derivatives) as chiral selectors for enantioselective gas chromatography in the flavour and fragrance field. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 1106-13	4.5	26
53	Methotrexate-Loaded Solid Lipid Nanoparticles: Protein Functionalization to Improve Brain Biodistribution. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	25
52	Interplay Between Mechanochemistry and Sonochemistry. <i>Topics in Current Chemistry</i> , <b>2015</b> , 369, 239-84		24
51	Cyclodextrin-Grafted Silica-Supported Pd Nanoparticles: An Efficient and Versatile Catalyst for Ligand-Free C-C Coupling and Hydrogenation. <i>ChemCatChem</i> , <b>2016</b> , 8, 1176-1184	5.2	23
50	Harnessing cavitation effects for green process intensification. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 52, 530-546	8.9	23
49	Pd/C-catalyzed aerobic oxidative esterification of alcohols and aldehydes: a highly efficient microwave-assisted green protocol. <i>Beilstein Journal of Organic Chemistry</i> , <b>2014</b> , 10, 1454-61	2.5	22
48	Efficient regioselective functionalizations of cyclodextrins carried out under microwaves or power ultrasound. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 9185-9189	2	22
47	$\beta$ -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. <i>Plant Growth Regulation</i> , <b>2011</b> , 65, 505-511	3.2	21
46	Highly Efficient Microwave-Assisted CO Aminocarbonylation with a Recyclable Pd(II)/TPP- $\beta$ -Cyclodextrin Cross-Linked Catalyst. <i>Organic Process Research and Development</i> , <b>2015</b> , 19, 499-505	3.9	20
45	Soluble cyanine dye/ $\beta$ -Cyclodextrin derivatives: Potential carriers for drug delivery and optical imaging. <i>Dyes and Pigments</i> , <b>2015</b> , 114, 204-214	4.6	19
44	Nucleophilic Substitutions of 6-O-Monotosyl- $\beta$ -Cyclodextrin in a Planetary Ball Mill. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 919-929	8.3	19
43	Enabling technologies and green processes in cyclodextrin chemistry. <i>Beilstein Journal of Organic Chemistry</i> , <b>2016</b> , 12, 278-94	2.5	19
42	Design and Synthesis of a (1)( $\beta$ )-Cyclodextrin Oligomer: A New Platform with Potential Application as a Dendrimeric Multicarrier. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 12086-92	4.8	16
41	Selective hydrogenation of alkynes over ppm-level Pd/boehmite/Al <sub>2</sub> O <sub>3</sub> beads in a continuous-flow reactor. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 4780-4791	5.5	15
40	A new class of cationic cyclodextrins: synthesis and chemico-physical properties. <i>New Journal of Chemistry</i> , <b>2010</b> , 34, 2013	3.6	15

39	Efficient mechanochemical synthesis of regioselective persubstituted cyclodextrins. <i>Beilstein Journal of Organic Chemistry</i> , <b>2016</b> , 12, 2364-2371	2.5	15
38	Microwave-Assisted, Green Synthesis of 4(3H)-Quinazolinones under CO Pressure in $\beta$ -Valerolactone and Reusable Pd/ $\beta$ -Cyclodextrin Cross-Linked Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 9233-9243	8.3	14
37	Microwave-Assisted Synthesis and Physicochemical Characterization of Tetrafuranylporphyrin-Grafted Reduced-Graphene Oxide. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 1608-1613	4.8	14
36	Combined Microwaves/Ultrasound, a Hybrid Technology. <i>Topics in Current Chemistry</i> , <b>2016</b> , 374, 79	7.2	13
35	A New Access to Homo- and Heterodimers of $\beta$ -CD and $\beta$ -Cyclodextrin by a Microwave-Promoted Huisgen Cycloaddition. <i>Synlett</i> , <b>2008</b> , 2008, 2642-2646	2.2	13
34	Structure and Self-Aggregation of Mono- and Bis(cyclodextrin) Derivatives in Aqueous Media: Fluorescence, Induced Circular Dichroism, and Molecular Dynamics. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 22431-22440	3.8	11
33	A novel SWCNT platform bearing DOTA and $\beta$ -cyclodextrin units. "One shot" multidecoration under microwave irradiation. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 4708-15	3.9	10
32	Impact of Microwaves on Organic Synthesis and Strategies toward Flow Processes and Scaling Up. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 13857-13872	4.2	10
31	Improving the electrocatalytic performance of sustainable Co/carbon materials for the oxygen evolution reaction by ultrasound and microwave assisted synthesis. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 720-731	5.8	10
30	Complexes of peracetylated cyclodextrin in a non-aqueous aprotic medium: the role of residual water. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 17380-90	3.6	9
29	Highly Efficient Mechanochemical N-Arylation of Amino Alcohols and Diamines with CuO Powder. <i>Synlett</i> , <b>2015</b> , 26, 2789-2794	2.2	9
28	Kabachnik-Fields Reaction by Mechanochemistry: New Horizons from Old Methods. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 18889-18902	8.3	8
27	Nanoemulsions as Delivery Systems for Poly-Chemotherapy Aiming at Melanoma Treatment. <i>Cancers</i> , <b>2020</b> , 12,	6.6	8
26	Glycerol: An Optimal Hydrogen Source for Microwave-Promoted Cu-Catalyzed Transfer Hydrogenation of Nitrobenzene to Aniline. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 34	5	8
25	Tuneable Copper Catalysed Transfer Hydrogenation of Nitrobenzenes to Aniline or Azo Derivatives. <i>Advanced Synthesis and Catalysis</i> , <b>2020</b> , 362, 2689-2700	5.6	8
24	Sonochemically-Promoted Preparation of Silica-Anchored Cyclodextrin Derivatives for Efficient Copper Catalysis. <i>Molecules</i> , <b>2019</b> , 24,	4.8	8
23	Synthesis, characterization and potential application of monoacyl-cyclodextrins. <i>Carbohydrate Research</i> , <b>2010</b> , 345, 191-8	2.9	8
22	Reaction of oxiranes with cyclodextrins under high-energy ball-milling conditions. <i>Beilstein Journal of Organic Chemistry</i> , <b>2019</b> , 15, 1448-1459	2.5	7

21	Highly efficient nitrobenzene and alkyl/aryl azide reduction in stainless steel jars without catalyst addition. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 18881-18888	3.6	7
20	Microwave Irradiation in Micro- Meso-Fluidic Systems; Hybrid Technology has Issued the Challenge. <i>Chemical Record</i> , <b>2019</b> , 19, 98-117	6.6	6
19	Synthesis of water-soluble multidentate aminoalcohol $\beta$ -cyclodextrin derivatives via epoxide opening. <i>Carbohydrate Research</i> , <b>2011</b> , 346, 2677-82	2.9	6
18	New poly ether ether ketones containing phosphorus for membrane preparation. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2010</b> , 5, 249-255	1.3	6
17	Surface modification and cellular uptake evaluation of Au-coated NiFe nanodiscs for biomedical applications. <i>Interface Focus</i> , <b>2016</b> , 6, 20160052	3.9	6
16	Si-Gly-CD-PdNPs as a hybrid heterogeneous catalyst for environmentally friendly continuous flow Sonogashira cross-coupling. <i>Green Chemistry</i> , <b>2021</b> , 23, 7210-7218	10	6
15	Regioselective N-Alkylation of Ethyl 4-Benzoyloxy-1,2,3-triazolecarboxylate: A Useful Tool for the Synthesis of Carboxylic Acid Bioisosteres. <i>Journal of Heterocyclic Chemistry</i> , <b>2018</b> , 56, 501	1.9	6
14	Cyclodextrins in the antiviral therapy. <i>Journal of Drug Delivery Science and Technology</i> , <b>2021</b> , 64, 102589	4.5	6
13	Improving the esterification activity of <i>Pseudomonas fluorescens</i> and <i>Burkholderia cepacia</i> lipases via cross-linked cyclodextrin immobilization. <i>RSC Advances</i> , <b>2014</b> , 4, 45772-45777	3.7	5
12	Thermodynamics of the complexation of mono- and bis-cyclodextrin derivatives with a polarity sensitive probe: Fluorescence, Induced Circular Dichroism and molecular modelling. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2012</b> , 237, 38-48	4.7	5
11	Efficient microwave-assisted synthetic protocols and in silico behaviour prediction of per-substituted $\beta$ -cyclodextrins. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 5521-7	3.9	5
10	Synthesis and characterization of porphyrin functionalized nanodiamonds. <i>Diamond and Related Materials</i> , <b>2019</b> , 91, 22-28	3.5	5
9	Versatile Monitoring Tools in Parallel Solid-Phase Synthesis. <i>Chimia</i> , <b>2003</b> , 57, 229-236	1.3	4
8	Predicting self-assembly and structure in diluted aqueous solutions of modified mono- and bis- $\beta$ -cyclodextrins that contain naphthoxy chromophore groups. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 1714-1724	3.6	3
7	Copper(0) nanoparticle catalyzed Z-Selective Transfer Semihydrogenation of Internal Alkynes. <i>Advanced Synthesis and Catalysis</i> , <b>2021</b> , 363, 2850-2860	5.6	3
6	Cyclodextrin as a Food Additive in Food Processing	267-288	3
5	Organisation and complexation of mono- and bis- $\beta$ -cyclodextrins without chromophores with a fluorescence-sensitive probe in aqueous solutions. <i>Supramolecular Chemistry</i> , <b>2015</b> , 27, 508-521	1.8	2
4	$\beta$ -Cyclodextrin-Silica Hybrid: A Spatially Controllable Anchoring Strategy for Cu(II)/Cu(I) Complex Immobilization. <i>Catalysts</i> , <b>2020</b> , 10, 1118	4	2

3	Derivatization reactions of heterocyclic scaffolds on solid phase: tools for the synthesis of drug-like molecule libraries. <i>Methods in Enzymology</i> , <b>2003</b> , 369, 435-69	1.7	2
2	Highly efficient Synthesis of per-substituted amino-cyclodextrins under Microwave Irradiation in a closed Cavity. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1492, 177-182		1
1	Amino derivatives of PEEK-WC. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 117, 2258-2264	2.9	1