Thomas MÃ¼ller

List of Publications by Year
in descending order

56	1,988	279798	243625
papers	citations	23 h-index	44 g-index

64	64	64	2103
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In Vivo Participation of Red Chlorophyll Catabolite Reductase in Chlorophyll Breakdown. Plant Cell, 2007, 19, 369-387.	6.6	215
2	Accelerated Carbonï£¿Carbon Bondâ€Forming Reactions in Preparative Electrospray. Angewandte Chemie - International Edition, 2012, 51, 11832-11835.	13.8	186
3	Direct Plant Tissue Analysis and Imprint Imaging by Desorption Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2011, 83, 5754-5761.	6.5	126
4	Colorless Tetrapyrrolic Chlorophyll Catabolites Found in Ripening Fruit Are Effective Antioxidants. Angewandte Chemie - International Edition, 2007, 46, 8699-8702.	13.8	103
5	Blue Luminescence of Ripening Bananas. Angewandte Chemie - International Edition, 2008, 47, 8954-8957.	13.8	90
6	Highly Electrophilic, Catalytically Active and Redoxâ€Responsive Cobaltoceniumyl and Ferrocenyl Triazolylidene Coinage Metal Complexes. Chemistry - A European Journal, 2018, 24, 3742-3753.	3.3	67
7	A yellow chlorophyll catabolite is a pigment of the fall colours. Photochemical and Photobiological Sciences, 2008, 7, 1577-1581.	2.9	65
8	How the Colourless â€˜Nonfluorescentâ€™ Chlorophyll Catabolites Rust. Chemistry - A European Journal, 2011, 17, 2330-2334.	3.3	47
9	Chemoselective, Practical Synthesis of Cobaltocenium Carboxylic Acid Hexafluorophosphate. Organometallics, 2014, 33, 1152-1156.	2.3	46
10	A Dioxobilane as Product of a Divergent Path of Chlorophyll Breakdown in Norway Maple. Angewandte Chemie - International Edition, 2011, 50, 10724-10727.	13.8	45
11	Mass Spectrometry in Organic Synthesis: Claisenâ€“Schmidt Base-Catalyzed Condensation and Hammett Correlation of Substituent Effects. Journal of Chemical Education, 2014, 91, 1985-1989.	2.3	41
12	Complex bud architecture and cellâ€specific chemical patterns enable supercooling of <scp>Picea abies</scp> bud primordia. Plant, Cell and Environment, 2017, 40, 3101-3112.	5.7	40
13	Chlorophyll Breakdown in Maize: On the Structure of Two Nonfluorescent Chlorophyll Catabolites. Monatshefte FÃ¼r Chemie, 2006, 137, 751-763.	1.8	39
14	Chlorophyll Catabolites in Senescent Leaves of the Lime Tree (Tilia cordata). Chemistry and Biodiversity, 2012, 9, 2605-2617.	2.1	39
15	Stereoâ€and Regioselective Phyllobilane Oxidation in Leaf Homogenates of the Peace Lily (Spathiphyllum wallisii): Hypothetical Endogenous Path to Yellow Chlorophyll Catabolites. Chemistry - A European Journal, 2015, 21, 136-149.	3.3	36
16	Pathogen-Induced Leaf Chlorosis: Products of Chlorophyll Breakdown Found in Degreened Leaves of Phytoplasma-Infected Apple (Malus Ã— domestica Borkh.) and Apricot (Prunus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 Agricultural and Food Chemistry, 2017, 65, 2651-2660.	5.2	36
17	A Divergent Path of Chlorophyll Breakdown in the Model Plant Arabidopsis thaliana. ChemBioChem, 2006, 7, 40-42.	2.6	34
18	Blue transition metal complexes of a natural bilin-type chlorophyll catabolite. Chemical Science, 2014, 5, 3388-3395.	7.4	33

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19	Structure elucidation of chlorophyll catabolites (phyllobilins) by ESI-mass spectrometryâ€"Pseudo-molecular ions and fragmentation analysis of a nonfluorescent chlorophyll catabolite (NCC). International Journal of Mass Spectrometry, 2014, 365-366, 48-55.	1.5	33
20	Structurally diverse pyridyl or quinolyl enolato/enamido metal complexes of Li, Zr, Fe, Co, Ni, Cu and Zn. Inorganica Chimica Acta, 2013, 401, 38-49.	2.4	32
21	Chlorophyll Catabolites in Fall Leaves of the Wych Elm Tree Present a Novel Glycosylation Motif. Chemistry - A European Journal, 2016, 22, 9498-9503.	3.3	23
22	Monofunctionalized Cobaltocenium Compounds by Dediazoniation Reactions of Cobaltoceniumdiazonium Bis(hexafluorophosphate). Organometallics, 2016, 35, 2101-2109.	2.3	23
23	Ï€-Complexes of Tropolone and Its N-Derivatives: Ambidentate [O,O]/[N,O]/[N,N]-Cycloheptatrienyl Pentamethylcyclopentadienyl Ruthenium Sandwich Complexes. Organometallics, 2014, 33, 1630-1643.	2.3	19
24	A 3-in-1 Hand-Held Ambient Mass Spectrometry Interface for Identification and 2D Localization of Chemicals on Surfaces. Analytical Chemistry, 2020, 92, 14314-14318.	6.5	18
25	Efficient fluorophores based on pyridyl-enolato and enamido difluoroboron complexes: Simple alternatives to boron-dipyrromethene (bodipy) dyes. Inorganica Chimica Acta, 2013, 405, 116-120.	2.4	17
26	Cobaltocenylidene: A Mesoionic Metalloceno Carbene, Stabilized in a Gold(III) Complex. Chemistry - A European Journal, 2018, 24, 3165-3169.	3.3	17
27	Phylloxanthobilins are Abundant Linear Tetrapyrroles from Chlorophyll Breakdown with Activities Against Cancer Cells. European Journal of Organic Chemistry, 2020, 2020, 4499-4509.	2.4	17
28	Chlorophyll Breakdown as Seen in Bananas: Sign of Aging and Ripening â€“ A Mini-Review. Gerontology, 2011, 57, 521-527.	2.8	16
29	Improved matrix coating for positive- and negative-ion-mode MALDI-TOF imaging of lipids in blood vessel tissues. Analytical and Bioanalytical Chemistry, 2019, 411, 3221-3227.	3.7	16
30	Redox-Rich Metallocene Tetrazene Complexes: Synthesis, Structure, Electrochemistry, and Catalysis. Organometallics, 2019, 38, 1361-1371.	2.3	16
31	Synthesis and Crystal Structures of New 1,3-Disubstituted Imidazoline-2-thiones. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2013, 68, 1239-1252.	0.7	15
32	Synthesis and incorporation of 13C-labeled DNA building blocks to probe structural dynamics of DNA by NMR. Nucleic Acids Research, 2017, 45, 9178-9192.	14.5	14
33	Ring-expansion approaches for the total synthesis of salimabromide. Tetrahedron, 2019, 75, 3195-3215.	1.9	13
34	Switching on the photochemical reactivity in heterodimetallic OsIIâ€"RuII bipyridyl complexes containing a bis(bidentate) phosphine. Inorganic Chemistry Communication, 2007, 10, 1510-1514.	3.9	10
35	Surprising photochemical reactivity and visible light-driven energy transfer in heterodimetallic complexes. Dalton Transactions, 2011, 40, 3815-3829.	3.3	10
36	Synthesis and crystal structures of non-symmetric 1,3-di(alkyloxy)imidazolium salts. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 617-626.	0.7	10

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37	Chlorophyll Breakdown in a Fernâ€"Discovery of Phyllobilin Isomers with a Rearranged Carbon Skeleton. Angewandte Chemie - International Edition, 2018, 57, 14937-14941.	13.8	9
38	Microdroplet Mass Spectrometry Enables Extremely Accelerated Pepsin Digestion of Proteins. Journal of the American Society for Mass Spectrometry, 2021, 32, 1841-1845.	2.8	9
39	Versatile Supramolecular Coordination Behaviour of a Bis(bidentate) Tetraphosphane. European Journal of Inorganic Chemistry, 2013, 2013, 5121-5132.	2.0	8
40	Metalloâ€Scorpionates: First Generation of Trimetallic, Homoleptic [Ru]â€"Mâ€"[Ru] Complexes (M = Fe, Co,) Tj ETQq0 0 0 rgBT /Overlo	2.0	6
41	Rhodocenium Monocarboxylic Acid Hexafluoridophosphate and Its Derivatives: Synthesis, Spectroscopy, Structure, and Electrochemistry. European Journal of Inorganic Chemistry, 2020, 2020, 1300-1310.	2.0	6
42	3D-Printed High-Pressure-Resistant Immobilized Enzyme Microreactor (Î¼IMER) for Protein Analysis. Analytical Chemistry, 2022, 94, 8580-8587.	6.5	6
43	Redoxâ€Responsive Rhodocenium [O,O]â€, [N,O]â€, [N,N]â€, and [N,C,N]â€Metalloligands. European Journal of Inorganic Chemistry, 2011, 2011, 2958-2966.	2.0	5
44	Cationic Cycloheptatrienyl Cyclopentadienyl Manganese Sandwich Complexes: Tromancenium Explored with High-Power LED Photosynthesis. Organometallics, 2021, 40, 2736-2749.	2.3	5
45	Synthetic and structural studies on pentafluorobenzylated imidazole systems. Journal of Fluorine Chemistry, 2019, 218, 51-62.	1.7	4
46	Fluoroponytailed Brooker's merocyanines: Studies on solution behavior, solvatochromism and supramolecular aggregation. Dyes and Pigments, 2021, 184, 108798.	3.7	4
47	Versatile Production of Novel PNP Based Metal Complexes Applicable as Water Reduction Catalysts Showing CH/M as Well as CH/Î€ Interactions. European Journal of Inorganic Chemistry, 2020, 2020, 4358-4372.	2.0	3
48	Borylated Cymantrenes and Tromancenium Salts with Unusual Reactivity. Organometallics, 2022, 41, 1464-1473.	2.3	2
49	Cover Picture: Colorless Tetrapyrrolic Chlorophyll Catabolites Found in Ripening Fruit Are Effective Antioxidants (Angew. Chem. Int. Ed. 45/2007). Angewandte Chemie - International Edition, 2007, 46, 8521-8521.	13.8	1
50	Inside Cover: Hypermodified Fluorescent Chlorophyll Catabolites: Source of Blue Luminescence in Senescent Leaves (Angew. Chem. Int. Ed. 30/2010). Angewandte Chemie - International Edition, 2010, 49, 5014-5014.	13.8	1
51	Cover Picture: A Dioxobilane as Product of a Divergent Path of Chlorophyll Breakdown in Norway Maple (Angew. Chem. Int. Ed. 45/2011). Angewandte Chemie - International Edition, 2011, 50, 10463-10463.	13.8	1
52	InnenrÃ¼cktitelbild: Accelerated Carbonï£¿Carbon Bond-Forming Reactions in Preparative Electrospray (Angew. Chem. 47/2012). Angewandte Chemie, 2012, 124, 12075-12075.	2.0	1
53	Ionic and neutral fluorosurfactants containing ferrocene moieties as chromophoric constituents. Journal of Fluorine Chemistry, 2021, 241, 109674.	1.7	1
54	Chlorophyllabbau im Farn â€" Entdeckung von Phyllobilinâ€Isomeren mit umgelagertem KohlenstoffgerÃ¼st. Angewandte Chemie, 2018, 130, 15153-15157.	2.0	0

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55	Comment on A. Tiessen â€œThe ï¬‚uorescent blue glow of banana fruits is not due to symplasmic plastidial catabolism but arises from insoluble phenols estherified to the cell wallâ€• Plant Science, 2019, 280, 461-462.	3.6	0
56	Mechanistic Insights into the Formation of 1-Alkylidene/Arylidene-1,2,4-triazolinium Salts: A Combined NMR/Density Functional Theory Approach. Journal of Organic Chemistry, 2022, 87, 1019-1031.	3.2	0