

# Clemens Schwarzingger

## List of Publications by Year in descending order

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62  
papers

1,018  
citations

331259

21  
h-index

500791

28  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1672  
citing authors

#	ARTICLE	IF	CITATIONS
1	Air-stable organic semiconductors based on 6,6-dithienylindigo and polymers thereof. Journal of Materials Chemistry C, 2014, 2, 8089-8097.	2.7	56
2	Electrocatalytic Reduction of Carbon Dioxide to Carbon Monoxide by a Polymerized Film of an Alkynyl-Substituted Rhenium(I) Complex. ChemCatChem, 2013, 5, 1790-1796.	1.8	47
3	Molecular Determinants within N Terminus of Orai3 Protein That Control Channel Activation and Gating. Journal of Biological Chemistry, 2011, 286, 31565-31575.	1.6	44
4	Levoglucosan, cellobiose and their acetates as model compounds for the thermally assisted hydrolysis and methylation of cellulose and cellulose acetate. Journal of Analytical and Applied Pyrolysis, 2002, 62, 179-196.	2.6	38
5	Melamine Derivatives - A Review on Synthesis and Application. Current Organic Synthesis, 2012, 9, 342-356.	0.7	36
6	Composition and content of seed flavonoids in forage and grain legume crops. Journal of Separation Science, 2007, 30, 491-501.	1.3	35
7	Improved analysis of melamine-formaldehyde resins by capillary zone electrophoresis-mass spectrometry using ion-trap and quadrupole-time-of-flight mass spectrometers. Journal of Chromatography A, 2008, 1213, 83-87.	1.8	35
8	Anderson-Localization and the Mott-Ioffe-Regel Limit in Glassy-Metallic PEDOT. Advanced Electronic Materials, 2017, 3, 1700050.	2.6	34
9	Analysis of wood polymer composites by two-stage pyrolysis-GC/MS. Journal of Analytical and Applied Pyrolysis, 2008, 83, 213-219.	2.6	33
10	An Analysis of Diet Quality, How It Controls Fatty Acid Profiles, Isotope Signatures and Stoichiometry in the Malaria Mosquito Anopheles arabiensis. PLoS ONE, 2012, 7, e45222.	1.1	31
11	Quantitative Analysis of Polymer Additives with MALDI-TOF MS Using an Internal Standard Approach. Journal of the American Society for Mass Spectrometry, 2012, 23, 1120-1125.	1.2	29
12	Matrix Segregation as the Major Cause for Sample Inhomogeneity in MALDI Dried Droplet Spots. Journal of the American Society for Mass Spectrometry, 2014, 25, 1356-1363.	1.2	29
13	Ginseng Extract Ameliorates the Negative Physiological Effects of Heat Stress by Supporting Heat Shock Response and Improving Intestinal Barrier Integrity: Evidence from Studies with Heat-Stressed Caco-2 Cells, C. elegans and Growing Broilers. Molecules, 2020, 25, 835.	1.7	29
14	Pyrolysis GC/MS and IR Spectroscopy in Chitin Analysis of Molluscan Shells. Bioscience, Biotechnology and Biochemistry, 2009, 73, 93-103.	0.6	27
15	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometric imaging of synthetic polymer sample spots prepared using ionic liquid matrices. Rapid Communications in Mass Spectrometry, 2014, 28, 489-498.	0.7	27
16	In Vitro and In Vivo Inhibition of Intestinal Glucose Transport by Guava ( <i>Psidium Guajava</i> ) Extracts. Molecular Nutrition and Food Research, 2018, 62, e1701012.	1.5	27
17	The application of pyrolysis gas chromatography mass spectrometry for the identification of degraded early plastics in a sculpture by Naum Gabo. Journal of Analytical and Applied Pyrolysis, 2012, 94, 202-208.	2.6	25
18	Identification of methylated saccharinolactones and partially methylated saccharinic acids in the thermally assisted hydrolysis and methylation of carbohydrates. Journal of Analytical and Applied Pyrolysis, 2004, 71, 501-514.	2.6	22

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19	Pyrolysis and THM reactions of melamine and its resins. <i>Journal of Analytical and Applied Pyrolysis</i> , 2005, 74, 200-203.	2.6	22
20	Guava ( <i>Psidium guajava</i> ) Fruit Extract Prepared by Supercritical CO <sub>2</sub> Extraction Inhibits Intestinal Glucose Resorption in a Double-Blind, Randomized Clinical Study. <i>Nutrients</i> , 2019, 11, 1512.	1.7	22
21	On the mechanism of thermally assisted hydrolysis and methylation of carbohydrates: the contribution of aldol and retroaldol reactions. <i>Journal of Analytical and Applied Pyrolysis</i> , 2003, 68-69, 137-149.	2.6	21
22	Controlled multistep oxidation of alcohols and aldehydes to carboxylic acids using air, sunlight and a robust metalloporphyrin sensitizer with a pH-switchable photoreactivity. <i>RSC Advances</i> , 2012, 2, 3257.	1.7	21
23	Billi-Corroles: A Versatile Platform for the Synthesis of Functionalized Corroles. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4342-4349.	1.0	21
24	Millipedes as Food for Humans: Their Nutritional and Possible Antimalarial Value—A First Report. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-9.	0.5	19
25	<i>N</i> -Methylmelamines: Synthesis, Characterization, and Physical Properties. <i>Journal of Organic Chemistry</i> , 2016, 81, 4066-4075.	1.7	17
26	Analysis of the Active Compounds in Different Parts of the <i>Schisandra chinensis</i> Plant by Means of Pyrolysis-GC/MS. <i>Monatshefte für Chemie</i> , 2004, 135, 1201.	0.9	16
27	Determination of reaction mechanisms and evaluation of flame retardants in wood-melamine resin-composites. <i>Journal of Analytical and Applied Pyrolysis</i> , 2007, 79, 306-312.	2.6	14
28	Reversible Biofunctionalization of Surfaces with a Switchable Mutant of Avidin. <i>Bioconjugate Chemistry</i> , 2013, 24, 1656-1668.	1.8	14
29	Improved analysis of ultra-high molecular mass polystyrenes in matrix-assisted laser desorption/ionization of flight mass spectrometry using DCTB matrix and caesium salts. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1039-1046.	0.7	14
30	Hypolipidemic effects of herbal extracts by reduction of adipocyte differentiation, intracellular neutral lipid content, lipolysis, fatty acid exchange and lipid droplet motility. <i>Scientific Reports</i> , 2019, 9, 10492.	1.6	13
31	Determination of the Nitrogen Content of Cationic Cellulose Fibers by Analytical Pyrolysis. <i>Monatshefte für Chemie</i> , 2002, 133, 1-7.	0.9	12
32	Identification of fungi with analytical pyrolysis and thermally assisted hydrolysis and methylation. <i>Journal of Analytical and Applied Pyrolysis</i> , 2005, 74, 26-32.	2.6	12
33	Identification of marker compounds in pyrolysis-GC/MS of various acetylated wood types. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010, 87, 144-153.	2.6	12
34	UV-curable coatings of highly crosslinked trimethylmelamine based acrylates and methacrylates. <i>European Polymer Journal</i> , 2013, 49, 4141-4148.	2.6	12
35	Analytical pyrolysis in the determination of the aging of polyethylene. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 113, 315-322.	2.6	11
36	Pyrolytic Recycling of Carbon Fibers from Prepregs and Their Use in Polyamide Composites. <i>Open Journal of Composite Materials</i> , 2020, 10, 92-105.	0.4	10

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37	Analysis of N-Methylmelamine Resins with Combined GPC, HPLC, Mass Spectrometric Techniques. <i>International Journal of Polymer Analysis and Characterization</i> , 2007, 12, 143-154.	0.9	9
38	Rapid Online Solid-State Battery Diagnostics with Optically Pumped Magnetometers. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7864.	1.3	9
39	A Route to Amino Functionalized Hypericin Derivatives and their Chemical and Photochemical Properties Pertaining to Photodynamic Therapy. <i>Monatshefte für Chemie</i> , 2005, 136, 2067-2082.	0.9	8
40	Particleboards from Acetylated Wood Flakes. <i>Monatshefte für Chemie</i> , 2007, 138, 321-325.	0.9	8
41	Analysis of methylated melamines in reaction mixtures by CZE-MS. <i>Electrophoresis</i> , 2010, 31, 1194-1200.	1.3	8
42	Increased Cellular Uptake of Polyunsaturated Fatty Acids and Phytosterols from Natural Micellar Oil. <i>Nutrients</i> , 2020, 12, 150.	1.7	8
43	Characterization of a Linear Melamine Formaldehyde Resin. <i>International Journal of Polymer Analysis and Characterization</i> , 2007, 12, 301-314.	0.9	7
44	Rapid Melamine-Formaldehyde Resin Characterization by Means of Quantitative <sup>13</sup> C NMR with Polarization Transfer. <i>International Journal of Polymer Analysis and Characterization</i> , 2011, 16, 177-186.	0.9	7
45	Aqueous extracts of lingonberry and blackberry leaves identified by high-content screening beneficially act on cholesterol metabolism. <i>Food and Function</i> , 2021, 12, 10432-10442.	2.1	7
46	Synthesis, characterization, and polymerization of vinylmelamines. <i>Monatshefte für Chemie</i> , 2011, 142, 849-854.	0.9	6
47	Semiquantitative Approach for Polyester Characterization Using Matrix-Assisted Laser Desorption Ionization/Time-of-Flight Mass Spectrometry Approved by <sup>1</sup> H NMR. <i>Analytical Chemistry</i> , 2020, 92, 15221-15228.	3.2	6
48	Fast Mapping of Biomolecular Interfaces by Random Spin Labeling (RSL). <i>Journal of Biomolecular Structure and Dynamics</i> , 2012, 29, 793-798.	2.0	5
49	Suppressing Effect of 2-Nitrobenzaldehyde on Singlet Oxygen Generation, Fatty Acid Photooxidation, and Dye-Sensitizer Degradation. <i>Antioxidants</i> , 2018, 7, 194.	2.2	5
50	Edible Insects and Other Chitin-Bearing Foods in Ethnic Peru: Accessibility, Nutritional Acceptance, and Food-Security Implications. <i>Journal of Ethnobiology</i> , 2018, 38, 424.	0.8	5
51	Nanocontact printing stamp material via bi-functionalization of polyhedral oligomeric silsesquioxanes. <i>European Polymer Journal</i> , 2015, 65, 221-231.	2.6	4
52	Determination of demantoid garnet origin by chemical fingerprinting. <i>Monatshefte für Chemie</i> , 2019, 150, 907-912.	0.9	4
53	Chemometric Modeling of Trace Element Data for Origin Determination of Demantoid Garnets. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 1046.	0.8	4
54	Quick determination of erucic acid in mustard oils and seeds. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022, 164, 105523.	2.6	4

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55	The Oxidation of Hexahydrotriazines. Monatshefte für Chemie, 2006, 137, 185-190.	0.9	3
56	Investigation of turquoise imitations and treatment with analytical pyrolysis and infrared spectroscopy. Journal of Analytical and Applied Pyrolysis, 2017, 125, 24-31.	2.6	3
57	Anti-Hyperglycemic Effects of Oils and Extracts Derived from Sea Buckthorn - A Comprehensive Analysis Utilizing <i>In-Vitro</i> and <i>In-Vivo</i> Models. Molecular Nutrition and Food Research, 2022, , 2101133.	1.5	3
58	Novel Electrically Conductive Melamine-Formaldehyde Nanocomposite Based on Graphite Nanosheets. Macromolecular Symposia, 2014, 340, 73-80.	0.4	2
59	Characterization of storage stability of resol resin solutions via gel time measurement and high-performance liquid chromatography. International Journal of Polymer Analysis and Characterization, 2019, 24, 114-120.	0.9	2
60	Synthesis and Characterization of Allylmelamine Based Polymers. Macromolecular Symposia, 2012, 313-314, 112-120.	0.4	1
61	Evaluation of the phytomass source for composite preparation. Journal of Applied Polymer Science, 2013, 127, 508-515.	1.3	1
62	Screening of the homopolymerization and copolymerization of vinylmelamines. European Polymer Journal, 2016, 79, 97-108.	2.6	1