Philippe Schmitt-Kopplin

List of Publications by Year
in descending order

499	25,663	5891	12933
papers	citations	81 h-index	131 g-index

523	523	523	28290
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MS4A15 drives ferroptosis resistance through calcium-restricted lipid remodeling. Cell Death and Differentiation, 2022, 29, 670-686.	5.0	35
2	Elucidation of the non-volatile fingerprint in oven headspace vapor from bread roll baking by ultra-high resolution mass spectrometry. Food Chemistry, 2022, 374, 131618.	4.2	3
3	Yeast interaction on Chardonnay wine composition: Impact of strain and inoculation time. Food Chemistry, 2022, 374, 131732.	4.2	8
4	Assessment of a New Copper-Based Formulation to Control Esca Disease in Field and Study of Its Impact on the Vine Microbiome, Vine Physiology and Enological Parameters of the Juice. Journal of Fungi (Basel, Switzerland), 2022, 8, 151.	1.5	7
5	Mining for Active Molecules in Probiotic Supernatant by Combining Non-Targeted Metabolomics and Immunoregulation Testing. Metabolites, 2022, 12, 35.	1.3	3
6	Mycorrhiza-Tree-Herbivore Interactions: Alterations in Poplar Metabolome and Volatilome. Metabolites, 2022, 12, 93.	1.3	12
7	Non-Targeted Metabolomic Analysis of the Kombucha Production Process. Metabolites, 2022, 12, 160.	1.3	8
8	Microbial Interactions in Kombucha through the Lens of Metabolomics. Metabolites, 2022, 12, 235.	1.3	6
9	Molecular composition of dissolved organic matter in saline lakes of the Qing-Tibetan Plateau. Organic Geochemistry, 2022, 167, 104400.	0.9	12
10	Dihydrogen phosphate anion boosts the detection of sugars in electrospray ionization mass spectrometry: A combined experimental and computational investigation. Rapid Communications in Mass Spectrometry, 2022, 36, e9283.	0.7	0
11	Bezafibrate Reduces Elevated Hepatic Fumarate in Insulin-Deficient Mice. Biomedicines, 2022, 10, 616.	1.4	5
12	Feature Selection Pipelines with Classification for Non-targeted Metabolomics Combining the Neural Network and Genetic Algorithm. Analytical Chemistry, 2022, 94, 5474-5482.	3.2	1
13	Sulfonation Reactions behind the Fate of White Wineâ€™s Shelf-Life. Metabolites, 2022, 12, 323.	1.3	3
14	Open Search of Peptide Glycation Products from Tandem Mass Spectra. Analytical Chemistry, 2022, 94, 5953-5961.	3.2	1
15	Kapillarelektrophorese. , 2022, , 299-325.		0
16	Molecular and spectroscopic changes of peat-derived organic matter following photo-exposure: Effects on heteroatom composition of DOM. Science of the Total Environment, 2022, 838, 155790.	3.9	12
17	Substantial Biogeochemical and Biomolecular Processing of Dissolved Organic Matter in an Anticyclonic Eddy in the Northern South China Sea Down to Bathypelagic Depths. Frontiers in Marine Science, 2022, 9, .	1.2	0
18	Archeochemistry reveals the first steps into modern industrial brewing. Scientific Reports, 2022, 12, .	1.6	1

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19	Synthesis, Physicochemical Characterization, and Antibacterial Performance of Silverâ€"Lactoferrin Complexes. International Journal of Molecular Sciences, 2022, 23, 7112.	1.8	7
20	MobilityTransformR: an R package for effective mobility transformation of CE-MS data. Bioinformatics, 2022, 38, 4044-4045.	1.8	4
21	Ragweed plants grown under elevated CO₂ levels produce pollen which elicit stronger allergic lung inflammation. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 1718-1730.	2.7	35
22	Unraveling the chemodiversity of halogenated disinfection by-products formed during drinking water treatment using target and non-target screening tools. Journal of Hazardous Materials, 2021, 401, 123681.	6.5	40
23	The old, unique C1 chondrite Flensburg â€“ Insight into the first processes of aqueous alteration, brecciation, and the diversity of water-bearing parent bodies and lithologies. Geochimica Et Cosmochimica Acta, 2021, 293, 142-186.	1.6	28
24	Metabolomics in Brewing Research. , 2021, , 116-128.		2
25	Analytical Challenges and Strategies to Decipher the Maillard Reaction Network. , 2021, , 155-173.		2
26	Investigation of fennel protein extracts by shot-gun Fourier transform ion cyclotron resonance mass spectrometry. Food Research International, 2021, 139, 109919.	2.9	1
27	IL-17 controls central nervous system autoimmunity through the intestinal microbiome. Science Immunology, 2021, 6, .	5.6	67
28	Asc-1 regulates white versus beige adipocyte fate in a subcutaneous stromal cell population. Nature Communications, 2021, 12, 1588.	5.8	17
29	Data processing for fennel protein characterization by Fourier transform ion cyclotron resonance mass spectrometry (FT-ICR-MS). Data in Brief, 2021, 35, 106960.	0.5	0
30	Data Processing Optimization in Untargeted Metabolomics of Urine Using Voigt Lineshape Model Non-Linear Regression Analysis. Metabolites, 2021, 11, 285.	1.3	7
31	The impact and recovery of asteroid 2018 LA. Meteoritics and Planetary Science, 2021, 56, 844-893.	0.7	21
32	Microbial Hotspots in Lithic Microhabitats Inferred from DNA Fractionation and Metagenomics in the Atacama Desert. Microorganisms, 2021, 9, 1038.	1.6	19
33	Longitudinal Profiles of Dietary and Microbial Metabolites in Formula- and Breastfed Infants. Frontiers in Molecular Biosciences, 2021, 8, 660456.	1.6	19
34	Thermal History of Asteroid Parent Bodies Is Reflected in Their Metalorganic Chemistry. Astrophysical Journal Letters, 2021, 915, L7.	3.0	7
35	Exploring the link between molecular cloud ices and chondritic organic matter in laboratory. Nature Communications, 2021, 12, 3538.	5.8	14
36	Molecular characterization of sequence-driven peptide glycation. Scientific Reports, 2021, 11, 13294.	1.6	2

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37	Enhanced Access to the Health-Related Skin Metabolome by Fast, Reproducible and Non-Invasive WET PREP Sampling. Metabolites, 2021, 11, 415.	1.3	6
38	Chemical composition overview on two organic residues from the inner part of an archaeological bronze vessel from Cumae (Italy) by GCâ€“MS and FTICR MS analyses. European Physical Journal Plus, 2021, 136, 1.	1.2	3
39	Linking the FTO obesity rs1421085 variant circuitry to cellular, metabolic, and organismal phenotypes in vivo. Science Advances, 2021, 7, .	4.7	19
40	On the Trail of the German Purity Law: Distinguishing the Metabolic Signatures of Wheat, Corn and Rice in Beer. Frontiers in Chemistry, 2021, 9, 715372.	1.8	9
41	Seasonal transformations of dissolved organic matter and organic phosphorus in a polymictic basin: Implications for redox-driven eutrophication. Chemical Geology, 2021, 573, 120212.	1.4	17
42	The role of fecal sulfur metabolome in inflammatory bowel diseases. International Journal of Medical Microbiology, 2021, 311, 151513.	1.5	40
43	Exploring the chemical space of white wine antioxidant capacity: A combined DPPH, EPR and FT-ICR-MS study. Food Chemistry, 2021, 355, 129566.	4.2	30
44	Sulfur ion irradiation experiments simulating space weathering of Solar System body surfaces. Astronomy and Astrophysics, 2021, 655, A74.	2.1	10
45	Molecular and optical characterization reveals the preservation and sulfurization of chemically diverse porewater dissolved organic matter in oligohaline and brackish Chesapeake Bay sediments. Organic Geochemistry, 2021, 161, 104324.	0.9	11
46	Hidden in its color: A molecular-level analysis of the beerâ€™s Maillard reaction network. Food Chemistry, 2021, 361, 130112.	4.2	15
47	Amplifying and Fine-Tuning Rsm sRNAs Expression and Stability to Optimize the Survival of Pseudomonas brassicacerum in Nutrient-Poor Environments. Microorganisms, 2021, 9, 250.	1.6	5
48	Molecular changes among non-volatile disinfection by-products between drinking water treatment and consumer taps. Environmental Science: Water Research and Technology, 2021, 7, 2335-2345.	1.2	5
49	Gfi1 Loss Protects against Two Models of Induced Diabetes. Cells, 2021, 10, 2805.	1.8	2
50	Unveiling microbial preservation under hyperacidic and oxidizing conditions in the Oligocene Rio Tinto deposit. Scientific Reports, 2021, 11, 21543.	1.6	2
51	Microbial regulation of hexokinase 2 links mitochondrial metabolism and cell death in colitis. Cell Metabolism, 2021, 33, 2355-2366.e8.	7.2	40
52	Novel Extraction Method for Combined Lipid and Metal Speciation From Caenorhabditis elegans With Focus on Iron Redox Status and Lipid Profiling. Frontiers in Chemistry, 2021, 9, 788094.	1.8	4
53	Preferential Sorption of Tannins at Aluminum Oxide Affects the Electron Exchange Capacities of Dissolved and Sorbed Humic Acid Fractions. Environmental Science & Technology, 2020, 54, 1837-1847.	4.6	16
54	GTP Cyclohydrolase 1/Tetrahydrobiopterin Counteract Ferroptosis through Lipid Remodeling. ACS Central Science, 2020, 6, 41-53.	5.3	551

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55	Quantification of manganous ions in wine by NMR relaxometry. Talanta, 2020, 209, 120561.	2.9	11
56	A chemical and microbial characterization of selected mud volcanoes in Trinidad reveals pathogens introduced by surface water and rain water. Science of the Total Environment, 2020, 707, 136087.	3.9	5
57	Comprehensive Analysis of the Alternaria Mycobolome Using Mass Spectrometry Based Metabolomics. Molecular Nutrition and Food Research, 2020, 64, e1900558.	1.5	26
58	Molecular differences between water column and sediment pore water SPE-DOM in ten Swedish boreal lakes. Water Research, 2020, 170, 115320.	5.3	45
59	Disturbed gut microbiota and bile homeostasis in Giardia -infected mice contributes to metabolic dysregulation and growth impairment. Science Translational Medicine, 2020, 12, .	5.8	24
60	Coprecipitation Synthesis of Fe-Doped TiO2 from Various Commercial TiO2 for Photocatalytic Reaction. International Journal of Environmental Research, 2020, 14, 605-613.	1.1	6
61	Optical Properties and Photochemical Transformation of the Dissolved Organic Matter Released by Sargassum. Frontiers in Marine Science, 2020, 7, .	1.2	8
62	Influence of the UV/H₂O₂ Advanced Oxidation Process on Dissolved Organic Matter and the Connection between Elemental Composition and Disinfection Byproduct Formation. Environmental Science & Technology, 2020, 54, 14964-14973.	4.6	60
63	Comprehensive Vitamer Profiling of Folate Mono- and Polyglutamates in Bakerâ€™s Yeast (Saccharomyces) Tj ETQq1 1 0.784314 rgBT	1.3	9
64	Chemical fractionation of organic matter and organic phosphorus extractions from freshwater lake sediment. Analytica Chimica Acta, 2020, 1130, 29-38.	2.6	17
65	The N-acyl homoserine-lactone depleted Rhizobium radiobacter mutant RrF4NM13 shows reduced growth-promoting and resistance-inducing activities in mono- and dicotyledonous plants. Journal of Plant Diseases and Protection, 2020, 127, 769-781.	1.6	16
66	Investigating the function of Pre-Pottery Neolithic stone troughs from GÃ¶bekli Tepe â€“ An integrated approach. Journal of Archaeological Science: Reports, 2020, 34, 102618.	0.2	7
67	Water-Based Extraction of Bioactive Principles from Blackcurrant Leaves and Chrysanthellum americanum: A Comparative Study. Foods, 2020, 9, 1478.	1.9	14
68	The fall, recovery, classification, and initial characterization of the Hamburg, Michigan H4 chondrite. Meteoritics and Planetary Science, 2020, 55, 2341-2359.	0.7	4
69	An Enhanced Isotopic Fine Structure Method for Exact Mass Analysis in Discovery Metabolomics: FIA-CASI-FTMS. Journal of the American Society for Mass Spectrometry, 2020, 31, 2025-2034.	1.2	13
70	Decomposing the molecular complexity of brewing. Npj Science of Food, 2020, 4, 11.	2.5	8
71	Mineralogy, chemistry, and composition of organic compounds in the fresh carbonaceous chondrite Mukundpura: CM1 or CM2?. Meteoritics and Planetary Science, 2020, 55, 1681-1696.	0.7	10
72	Sulfate Alters the Competition Among Microbiome Members of Sediments Chronically Exposed to Asphalt. Frontiers in Microbiology, 2020, 11, 556793.	1.5	5

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73	Antioxidant activity from inactivated yeast: Expanding knowledge beyond the glutathione-related oxidative stability of wine. Food Chemistry, 2020, 325, 126941.	4.2	25
74	Tracking the formation of new brominated disinfection by-products during the seawater desalination process. Environmental Science: Water Research and Technology, 2020, 6, 2521-2541.	1.2	12
75	Reading From the Crystal Ball: The Laws of Moore and Kurzweil Applied to Mass Spectrometry in Food Analysis. Frontiers in Nutrition, 2020, 7, 9.	1.6	4
76	Cultivar- and Wood Area-Dependent Metabolomic Fingerprints of Grapevine Infected by Botryosphaeria Dieback. Phytopathology, 2020, 110, 1821-1837.	1.1	8
77	Reduced mitochondrial resilience enables non-canonical induction of apoptosis after TNF receptor signaling in virus-infected hepatocytes. Journal of Hepatology, 2020, 73, 1347-1359.	1.8	11
78	Bio-Protection as an Alternative to Sulphites: Impact on Chemical and Microbial Characteristics of Red Wines. Frontiers in Microbiology, 2020, 11, 1308.	1.5	29
79	Selective removal of natural organic matter during drinking water production changes the composition of disinfection by-products. Environmental Science: Water Research and Technology, 2020, 6, 779-794.	1.2	31
80	Contribution of ketone/aldehyde-containing compounds to the composition and optical properties of Suwannee River fulvic acid revealed by ultrahigh resolution mass spectrometry and deuterium labeling. Analytical and Bioanalytical Chemistry, 2020, 412, 1441-1451.	1.9	9
81	Influence of regionality and maturation time on the chemical fingerprint of whisky. Food Chemistry, 2020, 323, 126748.	4.2	12
82	Exploring yeast interactions through metabolic profiling. Scientific Reports, 2020, 10, 6073.	1.6	40
83	Advanced identification of global bioactivity hotspots via screening of the metabolic fingerprint of entire ecosystems. Scientific Reports, 2020, 10, 1319.	1.6	17
84	Interlaboratory comparison of humic substances compositional space as measured by Fourier transform ion cyclotron resonance mass spectrometry (IUPAC Technical Report). Pure and Applied Chemistry, 2020, 92, 1447-1467.	0.9	15
85	Unprecedented Molecular Diversity Revealed in Meteoritic Insoluble Organic Matter: The Paris Meteoriteâ€™s Case. Planetary Science Journal, 2020, 1, 55.	1.5	19
86	Guidelines for the Use of Deuterium Oxide (D2O) in 1H NMR Metabolomics. Analytical Chemistry, 2019, 91, 11063-11069.	3.2	21
87	Sunlight-induced phototransformation of transphilic and hydrophobic fractions of Suwannee River dissolved organic matter. Science of the Total Environment, 2019, 694, 133737.	3.9	14
88	Dealing with complexity: general discussion. Faraday Discussions, 2019, 218, 138-156.	1.6	1
89	Rebuilding core abscisic acid signaling pathways of Arabidopsis in yeast. EMBO Journal, 2019, 38, e101859.	3.5	25
90	High resolution techniques: general discussion. Faraday Discussions, 2019, 218, 247-267.	1.6	4

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91	Future challenges and new approaches: general discussion. Faraday Discussions, 2019, 218, 505-523.	1.6	1
92	Simulated Sunlight Selectively Modifies Maillard Reaction Products in a Wide Array of Chemical Reactions. Chemistry - A European Journal, 2019, 25, 13208-13217.	1.7	12
93	Evolutionary Steps in the Analytics of Primordial Metabolic Evolution. Life, 2019, 9, 50.	1.1	8
94	Systems chemical analytics: introduction to the challenges of chemical complexity analysis. Faraday Discussions, 2019, 218, 9-28.	1.6	40
95	Impact of Oak Wood Barrel Tannin Potential and Toasting on White Wine Antioxidant Stability. Journal of Agricultural and Food Chemistry, 2019, 67, 8402-8410.	2.4	12
96	Enceladus: First Observed Primordial Soup Could Arbitrate Origin-of-Life Debate. Astrobiology, 2019, 19, 1263-1278.	1.5	26
97	The Renchen L5-6 chondrite breccia â€“ The first confirmed meteorite fall from Baden-WÃ¼rttemberg (Germany). Chemie Der Erde, 2019, 79, 125525.	0.8	18
98	Molecular change of dissolved organic matter and patterns of bacterial activity in a stream along a land-use gradient. Water Research, 2019, 164, 114919.	5.3	50
99	Ejbyâ€”A new H5/6 ordinary chondrite fall in Copenhagen, Denmark. Meteoritics and Planetary Science, 2019, 54, 1853-1869.	0.7	11
100	Sargassum sp. Act as a Large Regional Source of Marine Dissolved Organic Carbon and Polyphenols. Global Biogeochemical Cycles, 2019, 33, 1423-1439.	1.9	38
101	Organosulfur Compounds Formed by Sulfur Ion Bombardment of Astrophysical Ice Analogs: Implications for Moons, Comets, and Kuiper Belt Objects. Astrophysical Journal Letters, 2019, 885, L40.	3.0	17
102	Wine aging: a bottleneck story. Npj Science of Food, 2019, 3, 14.	2.5	18
103	Mass differences in metabolome analyses of untargeted direct infusion ultra-high resolution MS data. , 2019, , 357-405.		6
104	Foodomics assessed by Fourier transform mass spectrometry. , 2019, , 651-677.		4
105	Data processing and automation in Fourier transform mass spectrometry. , 2019, , 133-185.		8
106	Metabolic Functions of Gut Microbes Associate With Efficacy ofÂTumor Necrosis Factor Antagonists in Patients With Inflammatory Bowel Diseases. Gastroenterology, 2019, 157, 1279-1292.e11.	0.6	180
107	Organic sulfur fingerprint indicates continued injection fluid signature 10 months after hydraulic fracturing. Environmental Sciences: Processes and Impacts, 2019, 21, 206-213.	1.7	4
108	Electrochemical triggering of the Chardonnay wine metabolome. Food Chemistry, 2019, 286, 64-70.	4.2	7

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109	Mass Difference Maps and Their Application for the Recalibration of Mass Spectrometric Data in Nontargeted Metabolomics. Analytical Chemistry, 2019, 91, 3350-3358.	3.2	13
110	Milk-Derived Amadori Products in Feces of Formula-Fed Infants. Journal of Agricultural and Food Chemistry, 2019, 67, 8061-8069.	2.4	16
111	Microbial transformation of virus-induced dissolved organic matter from picocyanobacteria: coupling of bacterial diversity and DOM chemodiversity. ISME Journal, 2019, 13, 2551-2565.	4.4	122
112	A light, chondritic xenolith in the Murchison (CM) chondrite â€“ Formation by fluid-assisted percolation during metasomatism?. Chemie Der Erde, 2019, 79, 125518.	0.8	17
113	Metabolic diversity conveyed by the process leading to glutathione accumulation in inactivated dry yeast: A synthetic media study. Food Research International, 2019, 123, 762-770.	2.9	13
114	Profiling Murchison Soluble Organic Matter for New Organic Compounds with APPI- and ESI-FT-ICR MS. Life, 2019, 9, 48.	1.1	15
115	Formation of Brominated Organic Compounds and Molecular Transformations in Dissolved Organic Matter (DOM) after Ballast Water Treatment with Sodium Dichloroisocyanurate Dihydrate (DICD). Environmental Science & Technology, 2019, 53, 8006-8016.	4.6	20
116	The CM carbonaceous chondrite regolith Diepenveen. Meteoritics and Planetary Science, 2019, 54, 1431-1461.	0.7	9
117	Influence of cell-cell contact between L. thermotolerans and S. cerevisiae on yeast interactions and the exo-metabolome. Food Microbiology, 2019, 83, 122-133.	2.1	57
118	Occurrence and distribution of UV-filters and other anthropogenic contaminants in coastal surface water, sediment, and coral tissue from Hawaii. Science of the Total Environment, 2019, 670, 398-410.	3.9	144
119	The chemodiversity of algal dissolved organic matter from lysed Microcystis aeruginosa cells and its ability to form disinfection by-products during chlorination. Water Research, 2019, 155, 300-309.	5.3	55
120	Environmental and Agricultural Relevance of Humic Fractions Extracted by Alkali from Soils and Natural Waters. Journal of Environmental Quality, 2019, 48, 217-232.	1.0	148
121	The SariÃ§iÃ§ek howardite fall in Turkey: Source crater of <scp>HED</scp> meteorites on Vesta and impact risk of Vestoids. Meteoritics and Planetary Science, 2019, 54, 953-1008.	0.7	30
122	Waterworks-specific composition of drinking water disinfection by-products. Environmental Science: Water Research and Technology, 2019, 5, 861-872.	1.2	38
123	The discovery of Lake Hephaestus, the youngest athalassohaline deep-sea formation on Earth. Scientific Reports, 2019, 9, 1679.	1.6	24
124	Synbiotic-driven improvement of metabolic disturbances is associated with changes in the gut microbiome in diet-induced obese mice. Molecular Metabolism, 2019, 22, 96-109.	3.0	102
125	Development and application of a HILIC UHPLC-MS method for polar fecal metabolome profiling. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1109, 142-148.	1.2	26
126	Environmental and Agricultural Relevance of Humic Fractions Extracted by Alkali from Soils and Natural Waters. Journal of Environmental Quality, 2019, 48, 1126-1126.	1.0	16

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127	Integrative Metabolomic and Metallomic Analysis in a Caseâ€“Control Cohort With Parkinsonâ€™s Disease. Frontiers in Aging Neuroscience, 2019, 11, 331.	1.7	15
128	Optimizing Water-Based Extraction of Bioactive Principles of Hawthorn: From Experimental Laboratory Research to Homemade Preparations. Molecules, 2019, 24, 4420.	1.7	12
129	Transitory microbial habitat in the hyperarid Atacama Desert. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2670-2675.	3.3	172
130	Productivity Contribution of Paleozoic Woodlands to the Formation of Shaleâ€Hosted Massive Sulfide Deposits in the Iberian Pyrite Belt (Tharsis, Spain). Journal of Geophysical Research G: Biogeosciences, 2018, 123, 1017-1040.	1.3	4
131	Metformin impacts cecal bile acid profiles in mice. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1083, 35-43.	1.2	8
132	Species fractionation in a case-control study concerning Parkinsonâ€™s disease: Cu-amino acids discriminate CSF of PD from controls. Journal of Trace Elements in Medicine and Biology, 2018, 49, 164-170.	1.5	24
133	Mycorrhiza-Triggered Transcriptomic and Metabolomic Networks Impinge on Herbivore Fitness. Plant Physiology, 2018, 176, 2639-2656.	2.3	75
134	Determination of soyasaponins in Fagioli di Sarconi beans (Phaseolus vulgaris L.) by LC-ESI-FTICR-MS and evaluation of their hypoglycemic activity. Analytical and Bioanalytical Chemistry, 2018, 410, 1561-1569.	1.9	24
135	Increased urinary osmolyte excretion indicates chronic kidney disease severity and progression rate. Nephrology Dialysis Transplantation, 2018, 33, 2156-2164.	0.4	46
136	Tandem HILICâ€RP liquid chromatography for increased polarity coverage in food analysis. Electrophoresis, 2018, 39, 1645-1653.	1.3	12
137	Do dihydroxymagnesium carboxylates form Grignard-type reagents? A theoretical investigation on decarboxylative fragmentation. Journal of Molecular Modeling, 2018, 24, 106.	0.8	1
138	Temporal dynamics of halogenated organic compounds in Marcellus Shale flowback. Water Research, 2018, 136, 200-206.	5.3	31
139	Monitoring chemical changes during food sterilisation using ultrahigh resolution mass spectrometry. Food Chemistry, 2018, 242, 316-322.	4.2	17
140	Mass spectrometry-based phytochemical screening for hypoglycemic activity of Fagioli di Sarconi beans (Phaseolus vulgaris L.). Food Chemistry, 2018, 242, 497-504.	4.2	39
141	Extensive processing of sediment pore water dissolved organic matter during anoxic incubation as observed by high-field mass spectrometry (FTICR-MS). Water Research, 2018, 129, 252-263.	5.3	78
142	Microbiome-Triggered Transformations of Trace Organic Chemicals in the Presence of Effluent Organic Matter in Managed Aquifer Recharge (MAR) Systems. Environmental Science & Technology, 2018, 52, 14342-14351.	4.6	15
143	Insights into the Chemistry of Non-Enzymatic Browning Reactions in Different Ribose-Amino Acid Model Systems. Scientific Reports, 2018, 8, 16879.	1.6	87
144	Coral metabolite gradients affect microbial community structures and act as a disease cue. Communications Biology, 2018, 1, 184.	2.0	39

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145	The Molecular Fingerprint of Fluorescent Natural Organic Matter Offers Insight into Biogeochemical Sources and Diagenetic State. Analytical Chemistry, 2018, 90, 14188-14197.	3.2	45
146	Metabolomic investigations in cerebrospinal fluid of Parkinson's disease. PLoS ONE, 2018, 13, e0208752.	1.1	62
147	Yellowstone Hot Springs are Organic Chemodiversity Hot Spots. Scientific Reports, 2018, 8, 14155.	1.6	25
148	Aging and Molecular Changes of Dissolved Organic Matter Between Two Deep Oceanic Endâ€Members. Global Biogeochemical Cycles, 2018, 32, 1449-1456.	1.9	15
149	The marine bacterium Phaeobacter inhibens secures external ammonium by rapid buildup of intracellular nitrogen stocks. FEMS Microbiology Ecology, 2018, 94, .	1.3	7
150	Prevalence and nature of heating processes in CM and C2-ungrouped chondrites as revealed by insoluble organic matter. Geochimica Et Cosmochimica Acta, 2018, 241, 17-37.	1.6	86
151	Seasonal changes in dissolved organic matter composition in Delaware Bay, USA in March and August 2014. Organic Geochemistry, 2018, 122, 87-97.	0.9	20
152	Characterisation of dissolved organic matter using Fourier-transform ion cyclotron resonance mass spectrometry: Type-specific unique signatures and implications for reactivity. Science of the Total Environment, 2018, 644, 68-76.	3.9	29
153	Data-Driven Astrochemistry: One Step Further within the Origin of Life Puzzle. Life, 2018, 8, 18.	1.1	30
154	Pharmacometabolic response to pirfenidone in pulmonary fibrosis detected by MALDI-FTICR-MSI. European Respiratory Journal, 2018, 52, 1702314.	3.1	26
155	Short-Term Exposure to Nitrogen Dioxide Provides Basal Pathogen Resistance. Plant Physiology, 2018, 178, 468-487.	2.3	17
156	Metabotype variation in a field population of tansy plants influences aphid host selection. Plant, Cell and Environment, 2018, 41, 2791-2805.	2.8	30
157	Dietary non-fermentable fiber prevents autoimmune neurological disease by changing gut metabolic and immune status. Scientific Reports, 2018, 8, 10431.	1.6	63
158	Magnetic molecularly imprinted polymer prepared by microwave heating for confirmatory determination of chloramphenicol in chicken feed using high-performance liquid chromatography-tandem mass spectrometry. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2018, 53, 738-745.	0.7	3
159	Usage of FT-ICR-MS Metabolomics for Characterizing the Chemical Signatures of Barrel-Aged Whisky. Frontiers in Chemistry, 2018, 6, 29.	1.8	42
160	Impact of Glutathione on Wines Oxidative Stability: A Combined Sensory and Metabolomic Study. Frontiers in Chemistry, 2018, 6, 182.	1.8	41
161	Arctic, Antarctic, and temperate green algae Zygnema spp. under UV-B stress: vegetative cells perform better than pre-akinetes. Protoplasma, 2018, 255, 1239-1252.	1.0	31
162	Chronic d-serine supplementation impairs insulin secretion. Molecular Metabolism, 2018, 16, 191-202.	3.0	29

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163	Detection of the Bacterial Quorum-Sensing Signaling Molecules N-Acyl-Homoserine Lactones (HSL) and N-Acyl-Homoserine (HS) with an Enzyme-Linked Immunosorbent Assay (ELISA) and via Ultrahigh-Performance Liquid Chromatography Coupled to Mass Spectrometry (UHPLC-MS). Methods in Molecular Biology, 2018, 1673, 61-72.	0.4	14
164	Pharmacometabolic effect of pirfenidone treatment in IPF detected by high resolution MALDI-FTICR imaging. , 2018, , .		0
165	Wine microbiome: A dynamic world of microbial interactions. Critical Reviews in Food Science and Nutrition, 2017, 57, 856-873.	5.4	169
166	Oral versus intravenous iron replacement therapy distinctly alters the gut microbiota and metabolome in patients with IBD. Gut, 2017, 66, 863-871.	6.1	237
167	Nanoparticle exposure reactivates latent herpesvirus and restores a signature of acute infection. Particle and Fibre Toxicology, 2017, 14, 2.	2.8	24
168	Optical properties and molecular diversity of dissolved organic matter in the Bering Strait and Chukchi Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 144, 104-111.	0.6	14
169	Differences in DOM of rewetted and natural peatlands â€“ Results from high-field FT-ICR-MS and bulk optical parameters. Science of the Total Environment, 2017, 586, 770-781.	3.9	50
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