Kengo Ito

List of Publications by Year in descending order

14	272	933447 10	1058476 14
papers	citations	h-index	g-index

14	14	14	235
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Integrated Analysis of Seaweed Components during Seasonal Fluctuation by Data Mining Across Heterogeneous Chemical Measurements with Network Visualization. Analytical Chemistry, 2014, 86, 1098-1105.	6.5	48
2	Environmental metabolomics with data science for investigating ecosystem homeostasis. Progress in Nuclear Magnetic Resonance Spectroscopy, 2018, 104, 56-88.	7.5	43
3	Pretreatment and Integrated Analysis of Spectral Data Reveal Seaweed Similarities Based on Chemical Diversity. Analytical Chemistry, 2015, 87, 2819-2826.	6.5	39
4	NMR-TS: de novo molecule identification from NMR spectra. Science and Technology of Advanced Materials, 2020, 21, 552-561.	6.1	23
5	Fragment Assembly Approach Based on Graph/Network Theory with Quantum Chemistry Verifications for Assigning Multidimensional NMR Signals in Metabolite Mixtures. ACS Chemical Biology, 2016, 11, 1030-1038.	3.4	21
6	Exploratory machine-learned theoretical chemical shifts can closely predict metabolic mixture signals. Chemical Science, 2018, 9, 8213-8220.	7.4	20
7	InterSpin: Integrated Supportive Webtools for Low- and High-Field NMR Analyses Toward Molecular Complexity. ACS Omega, 2019, 4, 3361-3369.	3.5	19
8	Bacterial Substrate Transformation Tracked by Stable-Isotope-Guided NMR Metabolomics: Application in a Natural Aquatic Microbial Community. Metabolites, 2017, 7, 52.	2.9	11
9	Decomposition Factor Analysis Based on Virtual Experiments throughout Bayesian Optimization for Compost-Degradable Polymers. Applied Sciences (Switzerland), 2021, 11, 2820.	2.5	11
10	Fish ecotyping based on machine learning and inferred network analysis of chemical and physical properties. Scientific Reports, 2021, 11, 3766.	3.3	10
11	Improved Prediction of Carbonless NMR Spectra by the Machine Learning of Theoretical and Fragment Descriptors for Environmental Mixture Analysis. Analytical Chemistry, 2021, 93, 6901-6906.	6.5	10
12	Large-Scale Evaluation of Major Soluble Macromolecular Components of Fish Muscle from a Conventional 1H-NMR Spectral Database. Molecules, 2020, 25, 1966.	3.8	9
13	Spatial molecular-dynamically ordered NMR spectroscopy of intact bodies and heterogeneous systems. Communications Chemistry, 2020, 3, .	4.5	4
14	Relaxometric learning: a pattern recognition method for T2 relaxation curves based on machine learning supported by an analytical framework. BMC Chemistry, 2021, 15, 13.	3.8	4