

# Kengo Ito

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5124539/publications.pdf>

Version: 2024-02-01

14  
papers

272  
citations

933447

10  
h-index

1058476

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g-index

14  
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14  
docs citations

14  
times ranked

235  
citing authors

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