

# Masahiro Kunimoto

## List of Publications by Year in descending order

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15  
papers

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citations

1163117

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1281871

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docs citations

15  
times ranked

156  
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#	ARTICLE	IF	CITATIONS
1	Depth profiling of APTES self-assembled monolayers using surface-enhanced confocal Raman microspectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 184, 1-6.	3.9	21
2	Analysis of hydrazine on a Cu surface with nanoscale resolution using surface enhanced Raman spectroscopy. <i>Electrochimica Acta</i> , 2013, 100, 317-320.	5.2	18
3	Key Ionic Electrolytes for Highly Self-Stable Light-Emitting Electrochemical Cells Based on Ir(III) Complexes. <i>Advanced Optical Materials</i> , 2020, 8, 2000295.	7.3	18
4	Carbonate formation on carbon electrode in rechargeable zinc-air battery revealed by in-situ Raman measurements. <i>Journal of Power Sources</i> , 2022, 533, 231237.	7.8	14
5	Theoretical analysis of the influence of surface defects on the reactivity of hypophosphite ions. <i>Electrochimica Acta</i> , 2013, 113, 785-791.	5.2	12
6	Theoretical Analysis of Catalytic Activity of Metal Surfaces on Reaction of Hypophosphite Ion. <i>Electrochemistry</i> , 2012, 80, 126-131.	1.4	11
7	Theoretical Analysis of Adsorption Structure of Hydrated Hypophosphite Ion on Pd (111) Surface. <i>Electrochemistry</i> , 2012, 80, 222-225.	1.4	9
8	Raman and DFT Study of the Reaction of Hydrazine and Hypophosphite on a Cu Surface in the Electroless Deposition Process. <i>Electrochemistry</i> , 2013, 81, 674-677.	1.4	9
9	Transmission-type plasmonic sensor for surface-enhanced Raman spectroscopy. <i>Applied Physics Express</i> , 2016, 9, 122002.	2.4	6
10	Direct Formation of Metal Layer on Anion Exchange Membrane Using Electroless Deposition Process. <i>Electrochemistry</i> , 2021, 89, 192-196.	1.4	3
11	Surface-enhanced Raman Spectroscopy for Versatile <i>in situ</i> Measurements of Local pH near Electrode Surface. <i>Electroanalysis</i> , 2022, 34, 1682-1689.	2.9	3
12	Multiscale Simulation of Irregular Shape Evolution during the Initial Stage of Zn Electrodeposition on a Negative Electrode Surface. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5224-5232.	3.1	2
13	Purification of Diatomaceous Earth using Acid Leaching Process to Produce High Purity Silica for Solar-Grade Silicon. <i>Separation Science and Technology</i> , 2022, 57, 2261-2268.	2.5	1
14	(Invited) Molecular-Level Analysis of Electrodeposition Processes Using Theoretical Calculations and Surface Enhanced Raman Microscopy. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
15	Effect of Channel Type Reactor for Efficient Extraction of B for Production of High Purity Silica. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2022, 73, 312-318.	0.2	0