Makoto Miura

List of Publications by Year
in descending order

14	176	1163117 8	1125743 13
papers	citations	h-index	g-index

14	14	14	64
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magneto-Dendrite Effect: Copper Electrodeposition under High Magnetic Field. Scientific Reports, 2017, 7, 45511.	3.3	29
2	Origin of Nanobubble - Formation of Stable Vacancy in Electrolyte Solution. ECS Transactions, 2009, 16, 181-189.	0.5	23
3	Lifetime of Ionic Vacancy Created in Redox Electrode Reaction Measured by Cyclotron MHD Electrode. Scientific Reports, 2016, 6, 19795.	3.3	18
4	Theory of microscopic electrodeposition under a uniform parallel magnetic field - 1. Nonequilibrium fluctuations of magnetohydrodynamic (MHD) flow. Journal of Electroanalytical Chemistry, 2019, 848, 113254.	3.8	17
5	Microbubble Formation from Ionic Vacancies in Copper Electrodeposition under a High Magnetic Field. Electrochemistry, 2014, 82, 654-657.	1.4	16
6	Origin of Nanobubbles Electrochemically Formed in a Magnetic Field: Ionic Vacancy Production in Electrode Reaction. Scientific Reports, 2016, 6, 28927.	3.3	15
7	Non-electrochemical Nanobubble Formation in Ferricyanide/Ferrocyanide Redox Reaction by the Cyclotron Effect under a High Magnetic Field. Electrochemistry, 2013, 81, 890-892.	1.4	14
8	Microbubble Formation from Ionic Vacancies in Copper Anodic Dissolution under a High Magnetic Field. Electrochemistry, 2015, 83, 549-553.	1.4	14
9	Excess Heat Production by the Pair Annihilation of Ionic Vacancies in Copper Redox Reactions. Scientific Reports, 2019, 9, 13695.	3.3	8
10	Long-Term Electrodeposition under a Uniform Parallel Magnetic Field. 1. Instability of Two-Dimensional Nucleation in an Electric Double Layer. Journal of Physical Chemistry B, 2020, 124, 11854-11869.	2.6	8
11	Excess heat production in the redox couple reaction of ferricyanide and ferrocyanide. Scientific Reports, 2020, 10, 20072.	3.3	7
12	Nanobubble formation from ionic vacancies in an electrode reaction on a fringed disk electrode under a uniform vertical magnetic field â^'1. Formation process in a vertical magnetohydrodynamic (MHD) flow. Journal of Electroanalytical Chemistry, 2022, 914, 116291.	3.8	4
13	Nanobubble formation from ionic vacancies in an electrode reaction on a fringed disk electrode under a uniform vertical magnetic field â€“ 2. Measurement of the angular velocity of a vertical magnetohydrodynamic (MHD) flow by the microbubbles originating from ionic vacancies. Journal of Electroanalytical Chemistry, 2022, 916, 116375.	3.8	3
14	Theory of Chiral Electrodeposition by Chiral Micro-Nano-Vortices under a Vertical Magnetic Field -1: 2D Nucleation by Micro-Vortices. Magnetochemistry, 2022, 8, 71.	2.4	0