

Ryoichi Morimoto

List of Publications by Year in descending order

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16
papers

221
citations

1163117

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996975

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all docs

16
docs citations

16
times ranked

145
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface chirality induced by rotational electrodeposition in magnetic fields. <i>Scientific Reports</i> , 2013, 3, 2574.	3.3	37
2	Nonequilibrium fluctuations in micro-MHD effects on electrodeposition. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 1664-1668.	2.3	36
3	Magneto-Dendrite Effect: Copper Electrodeposition under High Magnetic Field. <i>Scientific Reports</i> , 2017, 7, 45511.	3.3	29
4	Nano-scale Crystal Formation in Copper Magneto-electrodeposition under Parallel Magnetic Fields. <i>Electrochemistry</i> , 2004, 72, 421-423.	1.4	19
5	Lifetime of Ionic Vacancy Created in Redox Electrode Reaction Measured by Cyclotron MHD Electrode. <i>Scientific Reports</i> , 2016, 6, 19795.	3.3	18
6	Theory of microscopic electrodeposition under a uniform parallel magnetic field - 1. Nonequilibrium fluctuations of magnetohydrodynamic (MHD) flow. <i>Journal of Electroanalytical Chemistry</i> , 2019, 848, 113254.	3.8	17
7	Origin of Nanobubbles Electrochemically Formed in a Magnetic Field: Ionic Vacancy Production in Electrode Reaction. <i>Scientific Reports</i> , 2016, 6, 28927.	3.3	15
8	Theory of microscopic electrodeposition under a uniform parallel magnetic field - 2. Suppression of 3D nucleation by micro-MHD flow. <i>Journal of Electroanalytical Chemistry</i> , 2019, 847, 113255.	3.8	15
9	Excess Heat Production by the Pair Annihilation of Ionic Vacancies in Copper Redox Reactions. <i>Scientific Reports</i> , 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. <i>Journal of Physical Chemistry B</i> , 2020, 124, 11854-11869.	2.6	8
11	Excess heat production in the redox couple reaction of ferricyanide and ferrocyanide. <i>Scientific Reports</i> , 2020, 10, 20072.	3.3	7
12	Self-organization of Copper Secondary Nodules by the Second Micro-MHD Effect. <i>ECS Transactions</i> , 2008, 13, 15-24.	0.5	5
13	Nanobubble formation from ionic vacancies in an electrode reaction on a fringed disk electrode under a uniform vertical magnetic field $\hat{a}^{\sim}1$. Formation process in a vertical magnetohydrodynamic (MHD) flow. <i>Journal of Electroanalytical Chemistry</i> , 2022, 914, 116291.	3.8	4
14	Long-Term Electrodeposition under a Uniform Parallel Magnetic Field. 2. Flow-Mode Transition from Laminar MHD Flow to Convection Cells with Two-Dimensional (2D) Nucleation. <i>Journal of Physical Chemistry B</i> , 2020, 124, 11870-11881.	2.6	2
15	Breaking of Odd Chirality in Magneto-electrodeposition. <i>Magnetochemistry</i> , 2022, 8, 67.	2.4	1
16	Theory of Chiral Electrodeposition by Chiral Micro-Nano-Vortices under a Vertical Magnetic Field -1: 2D Nucleation by Micro-Vortices. <i>Magnetochemistry</i> , 2022, 8, 71.	2.4	0