Iwao Mogi

List of Publications by Year
in descending order

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34	495	623734	713466
papers	citations	14	21
		h-index	g-index

34	34	34	272
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dense Radial Growth of Silver Metal Leavesin a High Magnetic Field. Journal of the Physical Society of Japan, 1991, 60, 3200-3202.	1.6	95
2	Surface chirality induced by rotational electrodeposition in magnetic fields. Scientific Reports, 2013, 3, 2574.	3.3	37
3	Magneto-Dendrite Effect: Copper Electrodeposition under High Magnetic Field. Scientific Reports, 2017, 7, 45511.	3.3	29
4	Chiral Electrode Behavior of Magneto-electrodeposited Silver Films. ISIJ International, 2007, 47, 585-587.	1.4	22
5	Tailoring of Surface Chirality by Micro-Vortices and Specific Adsorption in Magnetoelectrodeposition. Bulletin of the Chemical Society of Japan, 2015, 88, 1479-1485.	3.2	21
6	Enantioselective Recognition of Tartaric Acid on Magnetoelectrodeposited Copper Film Electrodes. Chemistry Letters, 2012, 41, 1439-1441.	1.3	20
7	Electrocatalytic chirality on magneto-electropolymerized polyaniline electrodes. Journal of Solid State Electrochemistry, 2007, 11, 751-756.	2.5	18
8	Chiral Recognition of Amino Acids by Magnetoelectrodeposited Cu Film Electrodes. International Journal of Electrochemistry, 2011, 2011, 1-6.	2.4	18
9	Lifetime of Ionic Vacancy Created in Redox Electrode Reaction Measured by Cyclotron MHD Electrode. Scientific Reports, 2016, 6, 19795.	3.3	18
10	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
11	Effects of Magnetoelectropolymerization on Doping-Undoping Behavior of Polypyrrole. Electrochemistry, 1999, 67, 1051-1053.	1.4	17
12	Pattern Formation in Magneto-Electropolymerization of Pyrrole. Electrochemistry, 1996, 64, 842-844.	0.3	17
13	Origin of Nanobubbles Electrochemically Formed in a Magnetic Field: Ionic Vacancy Production in Electrode Reaction. Scientific Reports, 2016, 6, 28927.	3.3	15
14	Communicationâ€"Visualization of Magnetohydrodynamic Micro-Vortices with Guanine Micro-Crystals. Journal of the Electrochemical Society, 2017, 164, H584-H586.	2.9	15
15	Theory of microscopic electrodeposition under a uniform parallel magnetic field - 2. Suppression of 3D nucleation by micro-MHD flow. Journal of Electroanalytical Chemistry, 2019, 847, 113255.	3.8	15
16	Chirality of Magnetoelectropolymerized Polyaniline Electrodes. Japanese Journal of Applied Physics, 2005, 44, L199-L201.	1.5	14
17	Chiral recognition of magneto-electropolymerized polyaniline film electrodes. Science and Technology of Advanced Materials, 2006, 7, 342-345.	6.1	14
18	Chiral Symmetry Breaking in Magnetoelectrochemical Etching with Chloride Additives. Molecules, 2018, 23, 19.	3.8	11

#	Article	IF	Citations
19	Fluctuation Effects of Magnetohydrodynamic Micro-Vortices on Odd Chirality in Magnetoelectrolysis. Magnetochemistry, 2020, 6, 43.	2.4	10
20	Magnetic-Field-Induced Deactivation of Polypyrrole Films in Repeated Redox Cycles. Bulletin of the Chemical Society of Japan, 1997, 70, 2337-2340.	3.2	9
21	Surface Chirality in Rotational Magnetoelectrodeposition of Copper Films. Magnetochemistry, 2019, 5, 53.	2.4	9
22	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
23	Magnetoâ€“electropolymerized film formation of polypyrrole. Microelectronic Engineering, 1998, 43-44, 739-744.	2.4	7
24	Excess heat production in the redox couple reaction of ferricyanide and ferrocyanide. Scientific Reports, 2020, 10, 20072.	3.3	7
25	Effects of Vertical Magnetohydrodynamic Flows on Chiral Surface Formation in Magnetoelectrolysis. Magnetochemistry, 2018, 4, 40.	2.4	6
26	Magnetoelectropolymerization Effects on Hydrogen Evolution from a Polypyrrole Electrode. Materials Transactions, JIM, 2000, 41, 966-969.	0.9	5
27	Bulky cation effects on magnetoelectropolymerized polypyrrole. Journal of Electroanalytical Chemistry, 2001, 507, 198-201.	3.8	4
28	Chirality of magneto-electrodeposited metal film electrodes. Science and Technology of Advanced Materials, 2008, 9, 024210.	6.1	4
29	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
30	Breaking of Odd Chirality in Magnetoelectrodeposition of Copper Films on Micro-Electrodes. Magnetochemistry, 2021, 7, 142.	2.4	3
31	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
32	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. Journal of Physical Chemistry B, 2020, 124, 11870-11881.	2.6	2
33	Breaking of Odd Chirality in Magnetoelectrodeposition. Magnetochemistry, 2022, 8, 67.	2.4	1
34	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