

Micha Tomkiewicz

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74
papers

2,180
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77
ext. papers

2,273
ext. citations

4.2
avg, IF

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L-index

#	Paper	IF	Citations
74	Raman Spectroscopy as a Morphological Probe for TiO ₂ Aerogels. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 2730-2734	3.4	272
73	Titanium dioxide aerogels for photocatalytic decontamination of aquatic environments. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 12651-12655		251
72	The Potential Distribution at the TiO ₂ Aqueous Electrolyte Interface. <i>Journal of the Electrochemical Society</i> , 1979 , 126, 1505-1510	3.9	125
71	Bias-Dependent Etching of Silicon in Aqueous KOH. <i>Journal of the Electrochemical Society</i> , 1985 , 132, 145-151	3.9	116
70	Morphology, Properties, and Performance of Electrodeposited n - CdSe in Liquid Junction Solar Cells. <i>Journal of the Electrochemical Society</i> , 1982 , 129, 2016-2022	3.9	95
69	Morphology of Porous n-Type Silicon Obtained by Photoelectrochemical Etching: I. Correlations with Material and Etching Parameters. <i>Journal of the Electrochemical Society</i> , 1994 , 141, 958-967	3.9	90
68	Computer Simulation of Dendritic Electrodeposition. <i>Journal of the Electrochemical Society</i> , 1985 , 132, 371-375	3.9	90
67	Photoreflectance study of GaAs/AlAs superlattices: Fit to electromodulation theory. <i>Applied Physics Letters</i> , 1986 , 48, 653-655	3.4	81
66	Study of the Initial Stages of Anodic Oxidation of Polycrystalline Silver in KOH Solutions. <i>Journal of the Electrochemical Society</i> , 1984 , 131, 1288-1294	3.9	74
65	Scaling properties in photocatalysis. <i>Catalysis Today</i> , 2000 , 58, 115-123	5.3	66
64	Photoelectrolysis of Water with Semiconductor Materials. <i>Journal of the Electrochemical Society</i> , 1977 , 124, 1436-1440	3.9	65
63	Interactions Between Photoinduced and Dark Charge Transfer across n - TiO ₂ - Aqueous Electrolyte Interface. <i>Journal of the Electrochemical Society</i> , 1982 , 129, 1240-1245	3.9	60
62	Preparation and characterization of TiO ₂ aerogels for use as photocatalysts. <i>Journal of Non-Crystalline Solids</i> , 1994 , 175, 294-302	3.9	52
61	Morphology of TiO ₂ Aerogels. 1. Electron Microscopy. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 15945-15949		40
60	Fractality and Impedance of Electrochemically Grown Silver Deposits. <i>Journal of the Electrochemical Society</i> , 1990 , 137, 3423-3429	3.9	34
59	Electrolyte Electroreflectance of Single-Crystal CdIn ₂ Se ₄ in a Photoelectrochemical Solar Cell. <i>Journal of the Electrochemical Society</i> , 1984 , 131, 736-740	3.9	31
58	Porous Electrodes: I. Numerical Simulation Using Random Network and Single-Pore Models. <i>Journal of the Electrochemical Society</i> , 1984 , 131, 1283-1288	3.9	29

57	Nuclear Spin Polarization During the Photolysis of Di- <i>t</i> -butyl Ketone. <i>Journal of Chemical Physics</i> , 1972 , 56, 5850-5857	3.9	26
56	Impedance spectroscopy of rectifying semiconductor-electrolyte interfaces. <i>Electrochimica Acta</i> , 1990 , 35, 1631-1635	6.7	25
55	Characterization of polycrystalline electrodeposited CdSe photoelectrodes using photoluminescence spectroscopy. <i>Journal of Applied Physics</i> , 1983 , 54, 5428-5435	2.5	25
54	The Nature of Surface States on Chemically Modified TiO ₂ Electrodes. <i>Journal of the Electrochemical Society</i> , 1980 , 127, 1518-1525	3.9	25
53	Morphology and photocatalytic activity of TiO ₂ Aerogels. <i>Research on Chemical Intermediates</i> , 1994 , 20, 701-710	2.8	24
52	Observation of "Intrinsic" Surface States at the TiO ₂ /Aqueous-Electrolyte Interface by Sub-Band-Gap Electroreflectance Spectroscopy. <i>Physical Review Letters</i> , 1983 , 50, 443-446	7.4	22
51	Impedance Relaxation Spectrum Analysis of Oxidized Silver Electrodes. <i>Journal of the Electrochemical Society</i> , 1985 , 132, 32-38	3.9	22
50	Morphology of TiO ₂ Aerogels. 2. Small-Angle Neutron Scattering. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 15950-15954		21
49	Passivation of Permalloy Thin Films: II. In Situ Characterization of the Oxide Layer by Photoelectrochemical and Impedance Measurements. <i>Journal of the Electrochemical Society</i> , 1992 , 139, 1855-1861	3.9	21
48	The Passivation of Zinc in Alkaline Solutions. <i>Journal of the Electrochemical Society</i> , 1985 , 132, 1511-1515	3.9	21
47	n-CuInSe ₂ photoelectrochemical cells. <i>Solar Cells</i> , 1986 , 16, 529-548		20
46	Liquid junctions for characterization of electronic materials. I. The potential distribution at the Si/methanol interface. <i>Journal of Applied Physics</i> , 1989 , 65, 4884-4890	2.5	18
45	Impedance and Electroreflectance of Reduced Poly (3-Methyl Thiophene)-P3MT in an Aqueous Electrolyte: Direct Observation of a Polaron Transition. <i>Journal of the Electrochemical Society</i> , 1987 , 134, 886-891	3.9	17
44	Optical determination of Fermi-level pinning using electroreflectance. <i>Physical Review B</i> , 1981 , 24, 7397-7400	3.9	17
43	Optical investigation of the electrical properties of a polycrystalline semiconductor-electrolyte interface using electroreflectance. <i>Journal of Vacuum Science and Technology</i> , 1981 , 19, 406-410		15
42	Liquid junctions for characterization of electronic materials. II. Photorefectance and electroreflectance of n-Si. <i>Journal of Applied Physics</i> , 1989 , 66, 1759-1764	2.5	14
41	Impedance Study of Surface Optimization of n - CuInSe ₂ in Photoelectrochemical Solar Cells. <i>Journal of the Electrochemical Society</i> , 1986 , 133, 112-116	3.9	14
40	Quantum Yield of Solvated Electrons from Ferrocyanide in Various Water-Alcohol Mixtures. <i>Journal of Chemical Physics</i> , 1972 , 56, 2731-2736	3.9	14

39	Electron paramagnetic resonance and nuclear spin polarization study of the photooxidation of phenol in water. <i>Journal of the American Chemical Society</i> , 1972 , 94, 6598-6604	16.4	14
38	Photoreflectance and Impedance Study of InSe and Modified InSe. <i>Journal of the Electrochemical Society</i> , 1990 , 137, 2656-2661	3.9	13
37	Electric field modulation of photoluminescence in cadmium selenide liquid junction solar cells. <i>Journal of Applied Physics</i> , 1983 , 54, 6787-6789	2.5	13
36	Direct Observation of Surface States at the TiO ₂ Electrolyte Interface. <i>Journal of the Electrochemical Society</i> , 1981 , 128, 2491-2492	3.9	13
35	Correlations between the kinetics of zinc electrodeposition and the fractal properties of the deposits. <i>Physical Review B</i> , 1988 , 38, 957-959	3.3	12
34	Role of Disorder in Photoelectrochemical Solar Cells with Polycrystalline Photoanodes. <i>Physical Review Letters</i> , 1981 , 47, 961-963	7.4	12
33	Transport Properties of Nafion Membranes for Use in Three-Electrode Photoelectrochemical Storage Cells. <i>Journal of the Electrochemical Society</i> , 1982 , 129, 2469-2473	3.9	12
32	Liquid junctions for characterization of electronic materials. III. Modulation spectroscopies of reactive ion etching of Si. <i>Journal of Applied Physics</i> , 1989 , 66, 1765-1771	2.5	11
31	Relaxation Spectrum Analysis of Galvanostatic Oxidation of Silver Electrodes. <i>Journal of the Electrochemical Society</i> , 1986 , 133, 1625-1629	3.9	11
30	Surface states on chemically modified TiO ₂ electrodes. <i>Surface Science</i> , 1980 , 101, 286-294	1.8	11
29	Computer simulation of dissolution-precipitation processes. <i>The Journal of Physical Chemistry</i> , 1987 , 91, 600-605		10
28	Morphology of AgO Crystallites Deposited from Alkaline Solutions under Potential Step and Stimulated Pulse Potentiostatic Conditions. <i>Journal of the Electrochemical Society</i> , 1986 , 133, 468-475	3.9	9
27	Electron paramagnetic resonance spectra of semiquinone intermediates observed during the photooxidation of phenol in water. <i>Journal of the American Chemical Society</i> , 1971 , 93, 7102-7103	16.4	9
26	Impedance of porous Si. <i>Journal of Applied Physics</i> , 1994 , 76, 3635-3639	2.5	8
25	Impedance of composite media. <i>Electrochimica Acta</i> , 1993 , 38, 1923-1928	6.7	8
24	Impedance of Composite Materials. <i>Journal of the Electrochemical Society</i> , 1988 , 135, 2743-2747	3.9	8
23	Hot-electron luminescence in aged electrodeposited CdSe liquid-junction solar cell. <i>Applied Physics Letters</i> , 1983 , 42, 58-60	3.4	7
22	Passivation of Permalloy Thin Films: I. Kinetics of Anodic Oxidation in Neutral Solutions. <i>Journal of the Electrochemical Society</i> , 1992 , 139, 461-466	3.9	6

21	Dielectric Properties of the Interfacial Layer on n - CuInSe ₂ in Photoelectrochemical Solar Cells. <i>Journal of the Electrochemical Society</i> , 1986 , 133, 930-934	3.9	6
20	Photoreflectance of reduced poly 3-methyl thiophene. <i>Journal of Applied Physics</i> , 1987 , 62, 3932-3935	2.5	6
19	Passive Zinc Electrodes: Application of the Effective Medium Theory. <i>Journal of the Electrochemical Society</i> , 1985 , 132, 869-870	3.9	6
18	Open-circuit, photoinduced aging of polycrystalline CdSe photoelectrodes in liquid-junction solar cells. <i>Journal of Applied Physics</i> , 1985 , 58, 1662-1666	2.5	6
17	Space Charge Effects at Passive Zinc Electrodes. <i>Journal of the Electrochemical Society</i> , 1986 , 133, 1766-1769	3.9	5
16	On the Feasibility of a Timely Transition to a More Sustainable Energy Future. <i>Sustainability</i> , 2010 , 2, 204-214	3.6	4
15	Liquid junctions for characterization of electronic materials. IV. Impedance spectroscopy of reactive ion-etched Si. <i>Journal of Applied Physics</i> , 1989 , 66, 2148-2155	2.5	4
14	Rough semiconductor electrode: A new percolation problem. <i>Physical Review B</i> , 1982 , 26, 7097-7100	3.3	4
13	Environmental Aspects of Electrodeposition 2011 , 555-571		3
12	Photoelectrochemistry with TiO ₂ Aerogels 1996 , 403-411		3
11	Electroreflectance and photoinduced charge separation in electrochemically doped trans-polyacetylene liquid junction device. <i>Chemical Physics Letters</i> , 1983 , 99, 479-482	2.5	3
10	Study of the Potential Distribution at the Semiconductor-Electrolyte Interface in Regenerative Photoelectrochemical Solar Cells. <i>ACS Symposium Series</i> , 1981 , 267-278	0.4	3
9	Energy and sustainability, from the point of view of environmental physics. <i>MRS Energy & Sustainability</i> , 2015 , 2, 1	2.2	2
8	Morphology of TiO ₂ Aerogels. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 346, 751		2
7	Photochemically induced dynamic nuclear polarization in hydrosol suspensions of Congo Red. <i>Journal of the American Chemical Society</i> , 1973 , 95, 3132-3136	16.4	2
6	A Study of TiO ₂ Aerogels Pore and Ramified Structure by Small-Angle Neutron Scattering. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 376, 353		1
5	In situ characterization of semiconductor-liquid junctions: surface optimization of n-CuInSe ₂ . <i>Journal of Photochemistry and Photobiology</i> , 1985 , 29, 165-172		1
4	Parametrization of intensive global climate change indicators on a level of sovereign states and governments. <i>MRS Energy & Sustainability</i> , 2019 , 6, 1	2.2	0

- 3 In-situ Electrochemical Characterization of Grouted Radioactive Waste. *Materials Research Society Symposia Proceedings*, **1992**, 294, 291
- 2 Liquid junctions for characterization of electronic materials. V. Comparison with solid-state devices used to characterize reactive ion etching of Si. *Journal of Applied Physics*, **1989**, 66, 4846-4853 2.5
- 1 Computer-simulation study of the conduction processes in lightly doped polyacetylene films. *Physical Review B*, **1988**, 38, 9638-9642 3.3