

# Micha Tomkiewicz

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74  
papers

2,180  
citations

22  
h-index

45  
g-index

77  
ext. papers

2,273  
ext. citations

4.2  
avg, IF

4.44  
L-index

#	Paper	IF	Citations
74	Parametrization of intensive global climate change indicators on a level of sovereign states and governments. <i>MRS Energy &amp; Sustainability</i> , <b>2019</b> , 6, 1	2.2	0
73	Energy and sustainability, from the point of view of environmental physics. <i>MRS Energy &amp; Sustainability</i> , <b>2015</b> , 2, 1	2.2	2
72	Environmental Aspects of Electrodeposition <b>2011</b> , 555-571		3
71	On the Feasibility of a Timely Transition to a More Sustainable Energy Future. <i>Sustainability</i> , <b>2010</b> , 2, 204-214	3.6	4
70	Scaling properties in photocatalysis. <i>Catalysis Today</i> , <b>2000</b> , 58, 115-123	5.3	66
69	Raman Spectroscopy as a Morphological Probe for TiO <sub>2</sub> Aerogels. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 2730-2734	3.4	272
68	Photoelectrochemistry with TiO <sub>2</sub> Aerogels <b>1996</b> , 403-411		3
67	Morphology of TiO <sub>2</sub> Aerogels. 1. Electron Microscopy. <i>The Journal of Physical Chemistry</i> , <b>1995</b> , 99, 15945-15949	4.0	
66	Morphology of TiO <sub>2</sub> Aerogels. 2. Small-Angle Neutron Scattering. <i>The Journal of Physical Chemistry</i> , <b>1995</b> , 99, 15950-15954		21
65	Impedance of porous Si. <i>Journal of Applied Physics</i> , <b>1994</b> , 76, 3635-3639	2.5	8
64	Morphology and photocatalytic activity of TiO <sub>2</sub> Aerogels. <i>Research on Chemical Intermediates</i> , <b>1994</b> , 20, 701-710	2.8	24
63	Morphology of Porous n-Type Silicon Obtained by Photoelectrochemical Etching: I. Correlations with Material and Etching Parameters. <i>Journal of the Electrochemical Society</i> , <b>1994</b> , 141, 958-967	3.9	90
62	Preparation and characterization of TiO <sub>2</sub> aerogels for use as photocatalysts. <i>Journal of Non-Crystalline Solids</i> , <b>1994</b> , 175, 294-302	3.9	52
61	Morphology of TiO <sub>2</sub> Aerogels. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 346, 751		2
60	A Study of TiO <sub>2</sub> Aerogels Pore and Ramified Structure by Small-Angle Neutron Scattering. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 376, 353		1
59	Titanium dioxide aerogels for photocatalytic decontamination of aquatic environments. <i>The Journal of Physical Chemistry</i> , <b>1993</b> , 97, 12651-12655		251
58	Impedance of composite media. <i>Electrochimica Acta</i> , <b>1993</b> , 38, 1923-1928	6.7	8

57	Passivation of Permalloy Thin Films: I. Kinetics of Anodic Oxidation in Neutral Solutions. <i>Journal of the Electrochemical Society</i> , <b>1992</b> , 139, 461-466	3.9	6
56	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> , <b>1992</b> , 139, 1855-1861	3.9	21
55	In-situ Electrochemical Characterization of Grouted Radioactive Waste. <i>Materials Research Society Symposia Proceedings</i> , <b>1992</b> , 294, 291		
54	Impedance spectroscopy of rectifying semiconductor-electrolyte interfaces. <i>Electrochimica Acta</i> , <b>1990</b> , 35, 1631-1635	6.7	25
53	Fractality and Impedance of Electrochemically Grown Silver Deposits. <i>Journal of the Electrochemical Society</i> , <b>1990</b> , 137, 3423-3429	3.9	34
52	Photoreflectance and Impedance Study of InSe and Modified InSe. <i>Journal of the Electrochemical Society</i> , <b>1990</b> , 137, 2656-2661	3.9	13
51	Liquid junctions for characterization of electronic materials. II. Photoreflectance and electroreflectance of n-Si. <i>Journal of Applied Physics</i> , <b>1989</b> , 66, 1759-1764	2.5	14
50	Liquid junctions for characterization of electronic materials. V. Comparison with solid-state devices used to characterize reactive ion etching of Si. <i>Journal of Applied Physics</i> , <b>1989</b> , 66, 4846-4853	2.5	
49	Liquid junctions for characterization of electronic materials. III. Modulation spectroscopies of reactive ion etching of Si. <i>Journal of Applied Physics</i> , <b>1989</b> , 66, 1765-1771	2.5	11
48	Liquid junctions for characterization of electronic materials. IV. Impedance spectroscopy of reactive ion-etched Si. <i>Journal of Applied Physics</i> , <b>1989</b> , 66, 2148-2155	2.5	4
47	Liquid junctions for characterization of electronic materials. I. The potential distribution at the Si/methanol interface. <i>Journal of Applied Physics</i> , <b>1989</b> , 65, 4884-4890	2.5	18
46	Computer-simulation study of the conduction processes in lightly doped polyacetylene films. <i>Physical Review B</i> , <b>1988</b> , 38, 9638-9642	3.3	
45	Correlations between the kinetics of zinc electrodeposition and the fractal properties of the deposits. <i>Physical Review B</i> , <b>1988</b> , 38, 957-959	3.3	12
44	Impedance of Composite Materials. <i>Journal of the Electrochemical Society</i> , <b>1988</b> , 135, 2743-2747	3.9	8
43	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> , <b>1987</b> , 134, 886-891	3.9	17
42	Photoreflectance of reduced poly 3-methyl thiophene. <i>Journal of Applied Physics</i> , <b>1987</b> , 62, 3932-3935	2.5	6
41	Computer simulation of dissolution-precipitation processes. <i>The Journal of Physical Chemistry</i> , <b>1987</b> , 91, 600-605		10
40	n-CuInSe <sub>2</sub> photoelectrochemical cells. <i>Solar Cells</i> , <b>1986</b> , 16, 529-548		20

39	Impedance Study of Surface Optimization of n - CuInSe <sub>2</sub> in Photoelectrochemical Solar Cells. <i>Journal of the Electrochemical Society</i> , <b>1986</b> , 133, 112-116	3.9	14
38	Relaxation Spectrum Analysis of Galvanostatic Oxidation of Silver Electrodes. <i>Journal of the Electrochemical Society</i> , <b>1986</b> , 133, 1625-1629	3.9	11
37	Photoreflectance study of GaAs/AlAs superlattices: Fit to electromodulation theory. <i>Applied Physics Letters</i> , <b>1986</b> , 48, 653-655	3.4	81
36	Space Charge Effects at Passive Zinc Electrodes. <i>Journal of the Electrochemical Society</i> , <b>1986</b> , 133, 1766-1769	3.9	5
35	Dielectric Properties of the Interfacial Layer on n - CuInSe <sub>2</sub> in Photoelectrochemical Solar Cells. <i>Journal of the Electrochemical Society</i> , <b>1986</b> , 133, 930-934	3.9	6
34	Morphology of AgO Crystallites Deposited from Alkaline Solutions under Potential Step and Stimulated Pulse Potentiostatic Conditions. <i>Journal of the Electrochemical Society</i> , <b>1986</b> , 133, 468-475	3.9	9
33	In situ characterization of semiconductor-liquid junctions: surface optimization of n-CuInSe <sub>2</sub> . <i>Journal of Photochemistry and Photobiology</i> , <b>1985</b> , 29, 165-172		1
32	Passive Zinc Electrodes: Application of the Effective Medium Theory. <i>Journal of the Electrochemical Society</i> , <b>1985</b> , 132, 869-870	3.9	6
31	The Passivation of Zinc in Alkaline Solutions. <i>Journal of the Electrochemical Society</i> , <b>1985</b> , 132, 1511-1515	3.9	21
30	Impedance Relaxation Spectrum Analysis of Oxidized Silver Electrodes. <i>Journal of the Electrochemical Society</i> , <b>1985</b> , 132, 32-38	3.9	22
29	Bias-Dependent Etching of Silicon in Aqueous KOH. <i>Journal of the Electrochemical Society</i> , <b>1985</b> , 132, 145-151	3.9	116
28	Open-circuit, photoinduced aging of polycrystalline CdSe photoelectrodes in liquid-junction solar cells. <i>Journal of Applied Physics</i> , <b>1985</b> , 58, 1662-1666	2.5	6
27	Computer Simulation of Dendritic Electrodeposition. <i>Journal of the Electrochemical Society</i> , <b>1985</b> , 132, 371-375	3.9	90
26	Porous Electrodes: I. Numerical Simulation Using Random Network and Single-Pore Models. <i>Journal of the Electrochemical Society</i> , <b>1984</b> , 131, 1283-1288	3.9	29
25	Electrolyte Electroreflectance of Single-Crystal CdIn <sub>2</sub> Se <sub>4</sub> in a Photoelectrochemical Solar Cell. <i>Journal of the Electrochemical Society</i> , <b>1984</b> , 131, 736-740	3.9	31
24	Study of the Initial Stages of Anodic Oxidation of Polycrystalline Silver in KOH Solutions. <i>Journal of the Electrochemical Society</i> , <b>1984</b> , 131, 1288-1294	3.9	74
23	Electroreflectance and photoinduced charge separation in electrochemically doped trans-polyacetylene liquid junction device. <i>Chemical Physics Letters</i> , <b>1983</b> , 99, 479-482	2.5	3
22	Characterization of polycrystalline electrodeposited CdSe photoelectrodes using photoluminescence spectroscopy. <i>Journal of Applied Physics</i> , <b>1983</b> , 54, 5428-5435	2.5	25

21	Hot-electron luminescence in aged electrodeposited CdSe liquid-junction solar cell. <i>Applied Physics Letters</i> , <b>1983</b> , 42, 58-60	3.4	7
20	Observation of "Intrinsic" Surface States at the TiO <sub>2</sub> /Aqueous-Electrolyte Interface by SubBand-Gap Electroreflectance Spectroscopy. <i>Physical Review Letters</i> , <b>1983</b> , 50, 443-446	7.4	22
19	Electric field modulation of photoluminescence in cadmium selenide liquid junction solar cells. <i>Journal of Applied Physics</i> , <b>1983</b> , 54, 6787-6789	2.5	13
18	Transport Properties of Nafion Membranes for Use in Three-Electrode Photoelectrochemical Storage Cells. <i>Journal of the Electrochemical Society</i> , <b>1982</b> , 129, 2469-2473	3.9	12
17	Interactions Between Photoinduced and Dark Charge Transfer across n - TiO <sub>2</sub> - Aqueous Electrolyte Interface. <i>Journal of the Electrochemical Society</i> , <b>1982</b> , 129, 1240-1245	3.9	60
16	Rough semiconductor electrode: A new percolation problem. <i>Physical Review B</i> , <b>1982</b> , 26, 7097-7100	3.3	4
15	Morphology, Properties, and Performance of Electrodeposited n - CdSe in Liquid Junction Solar Cells. <i>Journal of the Electrochemical Society</i> , <b>1982</b> , 129, 2016-2022	3.9	95
14	Direct Observation of Surface States at the TiO <sub>2</sub> Electrolyte Interface. <i>Journal of the Electrochemical Society</i> , <b>1981</b> , 128, 2491-2492	3.9	13
13	Study of the Potential Distribution at the Semiconductor-Electrolyte Interface in Regenerative Photoelectrochemical Solar Cells. <i>ACS Symposium Series</i> , <b>1981</b> , 267-278	0.4	3
12	Role of Disorder in Photoelectrochemical Solar Cells with Polycrystalline Photoanodes. <i>Physical Review Letters</i> , <b>1981</b> , 47, 961-963	7.4	12
11	Optical determination of Fermi-level pinning using electroreflectance. <i>Physical Review B</i> , <b>1981</b> , 24, 7397-7400	3.9	17
10	Optical investigation of the electrical properties of a polycrystalline semiconductor-electrolyte interface using electroreflectance. <i>Journal of Vacuum Science and Technology</i> , <b>1981</b> , 19, 406-410		15
9	The Nature of Surface States on Chemically Modified TiO <sub>2</sub> Electrodes. <i>Journal of the Electrochemical Society</i> , <b>1980</b> , 127, 1518-1525	3.9	25
8	Surface states on chemically modified TiO <sub>2</sub> electrodes. <i>Surface Science</i> , <b>1980</b> , 101, 286-294	1.8	11
7	The Potential Distribution at the TiO <sub>2</sub> Aqueous Electrolyte Interface. <i>Journal of the Electrochemical Society</i> , <b>1979</b> , 126, 1505-1510	3.9	125
6	Photoelectrolysis of Water with Semiconductor Materials. <i>Journal of the Electrochemical Society</i> , <b>1977</b> , 124, 1436-1440	3.9	65
5	Photochemically induced dynamic nuclear polarization in hydrosol suspensions of Congo Red. <i>Journal of the American Chemical Society</i> , <b>1973</b> , 95, 3132-3136	16.4	2
4	Quantum Yield of Solvated Electrons from Ferrocyanide in Various Water-Alcohol Mixtures. <i>Journal of Chemical Physics</i> , <b>1972</b> , 56, 2731-2736	3.9	14

3	Nuclear Spin Polarization During the Photolysis of Di- <i>t</i> -butyl Ketone. <i>Journal of Chemical Physics</i> , <b>1972</b> , 56, 5850-5857	3.9	26
2	Electron paramagnetic resonance and nuclear spin polarization study of the photooxidation of phenol in water. <i>Journal of the American Chemical Society</i> , <b>1972</b> , 94, 6598-6604	16.4	14
1	Electron paramagnetic resonance spectra of semiquinone intermediates observed during the photooxidation of phenol in water. <i>Journal of the American Chemical Society</i> , <b>1971</b> , 93, 7102-7103	16.4	9