

# Krishnan Rajeshwar

## 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.

140  
papers

5,896  
citations

39  
h-index

74  
g-index

151  
ext. papers

6,361  
ext. citations

5.6  
avg, IF

5.92  
L-index

#	Paper	IF	Citations
140	Copper vanadates: Targeted synthesis of two pure phases and use in a photoanode/cathode setup for selective photoelectrochemical conversion of carbon dioxide to liquid fuel. <i>Materials Research Bulletin</i> , <b>2022</b> , 149, 111716	5.1	0
139	Combining Electrosynthesis with Thermolysis: A Safe/Scalable Route to Multinary Oxide Semiconductor Films. <i>ChemElectroChem</i> , <b>2021</b> , 8, 1251-1258	4.3	2
138	Photoelectrochemical Reduction of CO <sub>2</sub> at Poly(4-Vinylpyridine)-Stabilized Copper(I) Oxide Semiconductor: Feasibility of Interfacial Decoration with Palladium Cocatalyst. <i>Solar Rrl</i> , <b>2021</b> , 5, 2000705 <sup>1</sup>	7.1	5
137	Naming Photoelectrochemical Processes: Why Thermodynamics Holds the Key. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 2198-2201	20.1	4
136	Arc Synthesis, Crystal Structure, and Photoelectrochemistry of Copper(I) Tungstate. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 32865-32875	9.5	3
135	Electrosynthesis of CdS/MoS <sub>2</sub> Using Electrodeposited MoS <sub>x</sub> : A Combined Voltammetry-Electrochemical Quartz Crystal Nanogravimetry Study. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 7562-7570	6.1	0
134	Optical, Electrochemical, and Photoelectrochemical Behavior of Copper Pyrovanadate: A Unified Theoretical and Experimental Study. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 19609-19620	3.8	2
133	Cathodic Electrodeposition of Stoichiometric Cobalt Chalcogenide Thin Films. <i>ECS Journal of Solid State Science and Technology</i> , <b>2020</b> , 9, 041013	2	
132	Chalcogenides: Solid-State Chemistry <b>2020</b> , 1-23		1
131	Phase-Pure Copper Vanadate (CuV <sub>2</sub> O <sub>6</sub> ): Solution Combustion Synthesis and Characterization. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 6247-6255	9.6	15
130	Publishing and Researching in a Post-Covid World. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 140002	3.9	0
129	Publishing and Researching in a Post-Covid World. <i>ECS Journal of Solid State Science and Technology</i> , <b>2020</b> , 9, 100001	2	
128	Editors' Choice Perspective Bipolar Photoactivity: The Anomalous Case of Electrodeposited Copper Oxide Films. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 136505	3.9	0
127	Review Research Needs for Photovoltaics in the 21st Century. <i>ECS Journal of Solid State Science and Technology</i> , <b>2020</b> , 9, 125010	2	4
126	Electrosynthesis of MoTe <sub>2</sub> Thin Films: A Combined Voltammetry-Electrochemical Quartz Crystal Microgravimetry Study of Mechanistic Aspects. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 116510 <sup>3,9</sup>	3.9	2
125	Electrosynthesis and Properties of Crystalline and Phase-Pure Silver Orthovanadate. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 19980-19989	3.8	2
124	Electrochemical Deposition of a Metal-Organic Framework and Subsequent Conversion to Cobalt Selenide. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 1358-1364	4	9

123	Rapid One-Pot Synthesis and Photoelectrochemical Properties of Copper Vanadates. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 2837-2847	6.1	22
122	Role of f Electrons in the Optical and Photoelectrochemical Behavior of Ca(LaCe) <sub>2</sub> S (0 <math>x \le 1</math>). <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 4553-4560	5.1	2
121	Electrodeposition of Silver Vanadate Films: A Tale of Two Polymorphs. <i>ChemPhysChem</i> , <b>2019</b> , 20, 2635-2646	5.4	6
120	Structure and optical properties of a new AgBiW <sub>2</sub> O <sub>8</sub> polymorph. <i>Polyhedron</i> , <b>2019</b> , 170, 486-489	2.7	1
119	Silver Oxide-Based Semiconductors for Solar Fuels Production and Environmental Remediation: a Solid-State Chemistry Approach. <i>ChemElectroChem</i> , <b>2019</b> , 6, 87-96	4.3	10
118	Reduction of carbon dioxide at copper(I) oxide photocathode activated and stabilized by over-coating with oligoaniline. <i>Electrochimica Acta</i> , <b>2018</b> , 265, 400-410	6.7	17
117	Ternary rare earth sulfide CaCe <sub>2</sub> S <sub>4</sub> : Synthesis and characterization of stability, structure, and photoelectrochemical properties in aqueous media. <i>Journal of Solid State Chemistry</i> , <b>2018</b> , 262, 149-155	3.3	7
116	One-Step Electrodeposition of Nanocrystalline TiO <sub>2</sub> Films with Enhanced Photoelectrochemical Performance and Charge Storage. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 851-858	6.1	20
115	Complex Oxides Based on Silver, Bismuth, and Tungsten: Syntheses, Characterization, and Photoelectrochemical Behavior. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 13473-13480	3.8	8
114	Improved rate of substrate oxidation catalyzed by genetically-engineered myoglobin. <i>Archives of Biochemistry and Biophysics</i> , <b>2018</b> , 639, 44-51	4.1	4
113	Review Copper Oxide-Based Ternary and Quaternary Oxides: Where Solid-State Chemistry Meets Photoelectrochemistry. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, H3192-H3206	3.9	58
112	On the measured optical bandgap values of inorganic oxide semiconductors for solar fuels generation. <i>Catalysis Today</i> , <b>2018</b> , 300, 136-144	5.3	33
111	Solution Combustion Synthesis of Complex Oxide Semiconductors. <i>International Journal of Self-Propagating High-Temperature Synthesis</i> , <b>2018</b> , 27, 129-140	0.7	7
110	Compositional Analysis of Electrodeposited Cobalt Selenide Thin Films Using Continuous Flow Electrochemical Quartz Crystal Microgravimetry. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, D370-D374	3.9	6
109	Composite copper oxide/copper bromide films for the selective electroreduction of carbon dioxide. <i>Journal of Materials Research</i> , <b>2017</b> , 32, 1727-1734	2.5	10
108	Enhanced Photoelectrochemical Performance of Cuprous Oxide/Graphene Nanohybrids. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6682-6692	16.4	93
107	Current Trends in Semiconductor Photoelectrochemistry. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 1425-1428	20.1	7
106	Solution Combustion Synthesis, Characterization, and Photocatalytic Activity of CuBi <sub>2</sub> O <sub>4</sub> and Its Nanocomposites with CuO and Bi <sub>2</sub> O <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 8252-8261	3.8	39

105	Rotating ring-disk voltammetry: Diagnosis of catalytic activity of metallic copper catalysts toward CO <sub>2</sub> electroreduction. <i>Russian Journal of Electrochemistry</i> , <b>2017</b> , 53, 1194-1203	1.2	15
104	Electrodeposition of Cobalt Selenide Thin Films: An Electrochemical Quartz Crystal Microgravimetry Study. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, D861-D866	3.9	13
103	Auger electron emission initiated by the creation of valence-band holes in graphene by positron annihilation. <i>Nature Communications</i> , <b>2017</b> , 8, 16116	17.4	17
102	Mesoporous iron oxide nanowires: synthesis, magnetic and photocatalytic properties. <i>RSC Advances</i> , <b>2016</b> , 6, 90537-90546	3.7	31
101	Electrocatalytic behavior of freely-diffusing and immobilized synthetic flavins in aqueous media. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 8441-8448	5.5	4
100	Electrodeposition of Inorganic Oxide/Nanocarbon Composites: Opportunities and Challenges. <i>ChemElectroChem</i> , <b>2016</b> , 3, 181-192	4.3	18
99	Polyaniline films photoelectrochemically reduce CO <sub>2</sub> to alcohols. <i>Chemical Communications</i> , <b>2016</b> , 52, 8858-61	5.8	42
98	Electrodeposition of Inorganic Oxide/Nanocarbon Composites: Opportunities and Challenges. <i>ChemElectroChem</i> , <b>2016</b> , 3, 176-176	4.3	
97	Enhancement of Photoinduced Visible Light Degradation of Salicylic Acid by Covalently Attached Synthetic Flavins on BiOCl Semiconductor Particle Surfaces. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 16069-16079	3.8	15
96	Solution Combustion Synthesis, Characterization, and Photoelectrochemistry of CuNb <sub>2</sub> O <sub>6</sub> and ZnNb <sub>2</sub> O <sub>6</sub> Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 16024-16034	3.8	45
95	Decoration of ultra-long carbon nanotubes with Cu <sub>2</sub> O nanocrystals: a hybrid platform for enhanced photoelectrochemical CO <sub>2</sub> reduction. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 3139-3147	13	55
94	Flavin Derivatives with Tailored Redox Properties: Synthesis, Characterization, and Electrochemical Behavior. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 9209-17	4.8	7
93	Electro- and Photoreduction of Carbon Dioxide: The Twain Shall Meet at Copper Oxide/Copper Interfaces. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 332-338	20.1	74
92	On the electrochemical synthesis and charge storage properties of WO <sub>3</sub> /polyaniline hybrid nanostructures. <i>Journal of Solid State Electrochemistry</i> , <b>2015</b> , 19, 2741-2751	2.6	24
91	Photoelectrochemical reduction of CO <sub>2</sub> on Cu/Cu <sub>2</sub> O films: Product distribution and pH effects. <i>Chemical Engineering Journal</i> , <b>2015</b> , 264, 302-309	14.7	87
90	The role of (photo)electrochemistry in the rational design of hybrid conducting polymer/semiconductor assemblies: From fundamental concepts to practical applications. <i>Progress in Polymer Science</i> , <b>2015</b> , 43, 96-135	29.6	89
89	Time- and energy-efficient solution combustion synthesis of binary metal tungstate nanoparticles with enhanced photocatalytic activity. <i>ChemSusChem</i> , <b>2015</b> , 8, 1652-63	8.3	38
88	Continuous Flow Photoelectrochemical Reactor for Solar Conversion of Carbon Dioxide to Alcohols. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, E115-E122	3.9	28

87	Photocatalytic Activity of Inorganic Semiconductor Surfaces: Myths, Hype, and Reality. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 139-47	6.4	81
86	Synthesis of Au-BiVO <sub>4</sub> nanocomposite through anodic electrodeposition followed by galvanic replacement and its application to the photocatalytic decomposition of methyl orange. <i>ChemPhysChem</i> , <b>2014</b> , 15, 2052-7	3.2	10
85	Photocatalytically Prepared Metal Nanocluster/Oxide Semiconductor/Carbon Nanocomposite Electrodes for Driving Multielectron Transfer. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 3468-3478	6.4	17
84	Tungsten-based oxide semiconductors for solar hydrogen generation. <i>Catalysis Today</i> , <b>2013</b> , 199, 53-64	5.3	109
83	Efficient solar photoelectrosynthesis of methanol from carbon dioxide using hybrid CuO-Cu <sub>2</sub> O semiconductor nanorod arrays. <i>Chemical Communications</i> , <b>2013</b> , 49, 1297-9	5.8	212
82	On the Substantially Improved Photoelectrochemical Properties of Nanoporous WO <sub>3</sub> Through Surface Decoration with RuO <sub>2</sub> . <i>Electrocatalysis</i> , <b>2013</b> , 4, 382-389	2.7	18
81	Synthesis of Au/ZnO Composite Nanorod Arrays via Electrodeposition Followed by Galvanic Replacement. <i>ECS Electrochemistry Letters</i> , <b>2013</b> , 2, D33-D36		4
80	Tailoring copper oxide semiconductor nanorod arrays for photoelectrochemical reduction of carbon dioxide to methanol. <i>ChemPhysChem</i> , <b>2013</b> , 14, 2251-9	3.2	104
79	Bioinspired photocatalyst assemblies for environmental remediation. <i>Electrochimica Acta</i> , <b>2012</b> , 84, 96-102	6.7	10
78	Bringing Conjugated Polymers and Oxide Nanoarchitectures into Intimate Contact: Light-Induced Electrodeposition of Polypyrrole and Polyaniline on Nanoporous WO <sub>3</sub> or TiO <sub>2</sub> Nanotube Array. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 19145-19155	3.8	81
77	Photocatalytic generation of syngas using combustion-synthesized silver bismuth tungstate. <i>ChemPhysChem</i> , <b>2012</b> , 13, 2945-55	3.2	27
76	Solar Energy Conversion and Environmental Remediation Using Inorganic Semiconductor-Liquid Interfaces: The Road Traveled and the Way Forward. <i>Journal of Physical Chemistry Letters</i> , <b>2011</b> , 2, 1301-9	6.4	63
75	Solution Combustion Synthesis of BiVO <sub>4</sub> Nanoparticles: Effect of Combustion Precursors on the Photocatalytic Activity. <i>Journal of Advanced Oxidation Technologies</i> , <b>2011</b> , 14,		3
74	Tailoring Interfaces for Electrochemical Synthesis of Semiconductor Films: BiVO <sub>4</sub> , Bi <sub>2</sub> O <sub>3</sub> , or Composites. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 7793-7800	3.8	68
73	From the Editor: Electrochemistry, Solid-State Science/Technology, and Health Care. <i>Electrochemical Society Interface</i> , <b>2010</b> , 19, 3-3	3.6	
72	From the Editor: Eleven Years After. <i>Electrochemical Society Interface</i> , <b>2010</b> , 19, 3-3	3.6	
71	Electrosynthesis of Bismuth Vanadate Photoelectrodes. <i>Electrochemical and Solid-State Letters</i> , <b>2010</b> , 13, D29		34
70	Electrodeposition and stripping analysis of bismuth selenide thin films using combined electrochemical quartz crystal microgravimetry and stripping voltammetry. <i>Journal of Electroanalytical Chemistry</i> , <b>2010</b> , 638, 195-203	4.1	22

69	Platinum-carbon black-titanium dioxide nanocomposite electrocatalysts for fuel cell applications. <i>Journal of Chemical Sciences</i> , <b>2009</b> , 121, 655-664	1.8	19
68	Comparison of oxidation efficiency of disperse dyes by chemical and photoelectrocatalytic chlorination and removal of mutagenic activity. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 2086-2093	6.7	88
67	Solution combustion synthesis of oxide semiconductors for solar energy conversion and environmental remediation. <i>Chemical Society Reviews</i> , <b>2009</b> , 38, 1984-98	58.5	189
66	Toxicity Assessment and Degradation of Disperse Azo Dyes by Photoelectrocatalytic Oxidation on Ti/TiO <sub>2</sub> Nanotubular Array Electrodes. <i>Journal of Advanced Oxidation Technologies</i> , <b>2008</b> , 11,		6
65	Photoinduced synthesis of CdTe nanoparticles using Te-modified gold electrode in poly(vinyl pyrrolidone)-containing electrolyte. <i>Journal of Applied Electrochemistry</i> , <b>2008</b> , 38, 203-206	2.6	7
64	Heterogeneous photocatalytic treatment of organic dyes in air and aqueous media. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2008</b> , 9, 171-192	16.4	580
63	Self-organized TiO <sub>2</sub> nanotube arrays by anodization of Ti substrate: Effect of anodization time, voltage and medium composition on oxide morphology and photoelectrochemical response. <i>Journal of Materials Research</i> , <b>2007</b> , 22, 3186-3195	2.5	24
62	Photo-electrochemical and photocatalytic properties of chemically-treated and thermally-annealed titanium dioxide films. <i>Research on Chemical Intermediates</i> , <b>2007</b> , 33, 225-237	2.8	3
61	Electrodeposited copper oxide films: Effect of bath pH on grain orientation and orientation-dependent interfacial behavior. <i>Thin Solid Films</i> , <b>2007</b> , 515, 3090-3095	2.2	118
60	Study of cuprous oxide using time of flight positron annihilation induced Auger electron spectroscopy. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2007</b> , 4, 3932-3934		2
59	Hydrogen generation at irradiated oxide semiconductor/solution interfaces. <i>Journal of Applied Electrochemistry</i> , <b>2007</b> , 37, 765-787	2.6	217
58	Photocatalytic production of hydrogen from electrodeposited p-Cu <sub>2</sub> O film and sacrificial electron donors. <i>International Journal of Hydrogen Energy</i> , <b>2007</b> , 32, 4661-4669	6.7	71
57	Electrodeposition of CdTe thin films on Te-modified polycrystalline gold substrates. <i>Journal of Electroanalytical Chemistry</i> , <b>2007</b> , 601, 77-82	4.1	28
56	Cadmium- and indium-doped zinc oxide by combustion synthesis using dopant chloride precursors. <i>Journal of Materials Research</i> , <b>2006</b> , 21, 3234-3241	2.5	9
55	Cathodic electrodeposition in the ternary Zn/Cd/O system: mixed (ZnO) <sub>x</sub> (CdO) <sub>1-x</sub> film formation versus Cd-doping of ZnO films. <i>Thin Solid Films</i> , <b>2006</b> , 515, 2464-2470	2.2	19
54	Electrosynthesis of cadmium sulfide on sulfur- or thiol-modified polycrystalline gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , <b>2005</b> , 574, 367-373	4.1	16
53	Composite WO <sub>3</sub> /TiO <sub>2</sub> films prepared by pulsed electrodeposition: morphological aspects and electrochromic behavior. <i>Journal of Electroanalytical Chemistry</i> , <b>2004</b> , 566, 249-256	4.1	47
52	Spatially directed electrosynthesis of semiconductors for photoelectrochemical applications. <i>Current Opinion in Solid State and Materials Science</i> , <b>2004</b> , 8, 173-182	12	25

51	Adsorption of Thallium(I) Ions on Titania Particle Surfaces in Aqueous Media. <i>Adsorption Science and Technology</i> , <b>2003</b> , 21, 217-228	3.6	13
50	A 4 % Efficient Dye-Sensitized Solar Cell Fabricated from Cathodically Electrosynthesized Composite Titania Films. <i>Advanced Materials</i> , <b>2003</b> , 15, 1823-1825	24	38
49	Immobilizing semiconductor particles by occlusion electrosynthesis in an oxide film matrix: the titania model case. <i>Electrochemistry Communications</i> , <b>2002</b> , 4, 871-876	5.1	12
48	Radical-mediated photoreduction of manganese(II) species in UV-irradiated titania suspensions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2002</b> , 147, 199-204	4.7	17
47	Semiconductor nanostructures in an alumina template matrix: micro- versus macro-scale photoelectrochemical behavior. <i>Electrochimica Acta</i> , <b>2002</b> , 47, 2603-2613	6.7	19
46	Photocatalytic reactivity of thallium(I) species in aqueous suspensions of titania. <i>Journal of Electroanalytical Chemistry</i> , <b>2002</b> , 519, 25-32	4.1	16
45	Chronopotentiometry of Titania Film Electrodes in Aqueous Media. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 11531-11538	3.4	9
44	Fundamentals of Semiconductor Electrochemistry and Photoelectrochemistry <b>2002</b> ,		17
43	Synergistic photocatalysis mediated by TiO <sub>2</sub> : mutual rate enhancement in the photoreduction of Cr(VI) and Cu(II) in aqueous media. <i>Electrochemistry Communications</i> , <b>2001</b> , 3, 290-292	5.1	31
42	Redox characterization of furnace carbon black surfaces. <i>Carbon</i> , <b>2001</b> , 39, 515-522	10.4	21
41	Titania-based heterogeneous photocatalysis. Materials, mechanistic issues, and implications for environmental remediation. <i>Pure and Applied Chemistry</i> , <b>2001</b> , 73, 1849-1860	2.1	87
40	Semiconductor-Based Composite Materials: Preparation, Properties, and Performance. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 2765-2782	9.6	434
39	Reduction of hexavalent chromium by copper. <i>Journal of Applied Electrochemistry</i> , <b>2000</b> , 30, 891-897	2.6	17
38	Photoelectrochemical Oxidation of Aqueous Sulfite on Ni/TiO <sub>2</sub> Composite Film Electrodes. <i>Langmuir</i> , <b>2000</b> , 16, 8426-8431	4	21
37	Underpotential Photocatalytic Deposition: A New Preparative Route to Composite Semiconductors. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 3538-3540	9.6	32
36	An integrated flow reactor-membrane filtration system for heterogeneous photocatalysis. Part II: Experiments on the ultrafiltration unit and combined operation. <i>Journal of Applied Electrochemistry</i> , <b>1999</b> , 29, 1111-1118	2.6	80
35	An integrated flow reactor-membrane filtration system for heterogeneous photocatalysis. Part I: Experiments and modelling of a batch-recirculated photoreactor. <i>Journal of Applied Electrochemistry</i> , <b>1999</b> , 29, 533-539	2.6	63
34	Photoelectrochemical Oxidation of Formate Ions on Nickel/Titanium Dioxide Nanocomposite Electrodes: Unusually High Current Doubling Yields and Manifestation of a Site Proximity Effect. <i>Langmuir</i> , <b>1998</b> , 14, 2933-2935	4	29

33	Photoelectrochemical Behavior of Nanocomposite Films of Cadmium Sulfide, or Titanium Dioxide, and Nickel. <i>Journal of the Electrochemical Society</i> , <b>1997</b> , 144, 3159-3163	3.9	40
32	Photocatalytic Removal of Nickel from Aqueous Solutions Using Ultraviolet-Irradiated TiO <sub>2</sub> . <i>Journal of the Electrochemical Society</i> , <b>1997</b> , 144, 2751-2756	3.9	39
31	Reversibility of Photoelectrochromism at the TiO <sub>2</sub> /Methylene Blue Interface. <i>Journal of the Electrochemical Society</i> , <b>1997</b> , 144, 2486-2490	3.9	37
30	Sonolytic enhancement of the bactericidal activity of irradiated titanium dioxide suspensions in water. <i>Research on Chemical Intermediates</i> , <b>1997</b> , 23, 311-323	2.8	29
29	Photolytic and Photocatalytic Destruction of Formaldehyde in Aqueous Media. <i>Journal of the Electrochemical Society</i> , <b>1996</b> , 143, 1562-1570	3.9	19
28	Reduction of Hexavalent Chromium in Aqueous Solutions by Polypyrrole: II. Thermodynamic, Kinetic, and Mechanistic Aspects. <i>Journal of the Electrochemical Society</i> , <b>1996</b> , 143, 44-51	3.9	39
27	Study of Copper Sulfide Film Formation by Voltammetry Combined with Electrochemical Quartz Crystal Microgravimetry/Coulometry and Optical Spectroscopy. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 18234-18239		36
26	Flow electroanalysis of metal alloy films: Application to the compositional assay of Copper-Nickel alloys. <i>Electroanalysis</i> , <b>1996</b> , 8, 1140-1144	3	2
25	Photoelectrochemistry and the environment. <i>Journal of Applied Electrochemistry</i> , <b>1995</b> , 25, 1067	2.6	159
24	Electrochemical deposition and stripping of copper, nickel and copper nickel alloy thin films at a polycrystalline gold surface: a combined voltammetry-coulometry-electrochemical quartz crystal microgravimetry study. <i>Journal of Electroanalytical Chemistry</i> , <b>1995</b> , 398, 5-12	4.1	48
23	Composites of polypyrrole and carbon black: Part III. Chemical synthesis and characterization. <i>Journal of Materials Research</i> , <b>1995</b> , 10, 1811-1822	2.5	33
22	Electrochemical Aspects of Photocatalysis: Application to Detoxification and Disinfection Scenarios. <i>Journal of Chemical Education</i> , <b>1995</b> , 72, 1044	2.4	44
21	Electrocomposites of Polypyrrole and Carbon Black. <i>Journal of the Electrochemical Society</i> , <b>1994</b> , 141, L13-L15	3.9	24
20	Chemical Attack on Polypyrrole by Electrolytically Generated Solution Species in Aqueous Chloride Medium. <i>Journal of the Electrochemical Society</i> , <b>1994</b> , 141, 2942-2946	3.9	14
19	Electrochemistry and the environment. <i>Journal of Applied Electrochemistry</i> , <b>1994</b> , 24, 1077	2.6	318
18	Interfacial chemistry at metal/CdTe contacts as probed by differential scanning calorimetry. <i>Journal of Applied Physics</i> , <b>1994</b> , 76, 4145-4153	2.5	3
17	Reduction of Hexavalent Chromium in Aqueous Solutions by Polypyrrole. <i>Journal of the Electrochemical Society</i> , <b>1993</b> , 140, L60-L62	3.9	70
16	Photocatalytic Reduction and Immobilization of Hexavalent Chromium at Titanium Dioxide in Aqueous Basic Media. <i>Journal of the Electrochemical Society</i> , <b>1993</b> , 140, 2477-2482	3.9	121



15	Passivation of Mercury Cadmium Telluride Surfaces via Electrochemical Generation of a Zinc Telluride Layer. <i>Journal of the Electrochemical Society</i> , <b>1993</b> , 140, 829-834	3.9	8
14	Flow Electrosyntheses of Group II-VI Compound Semiconductor Thin Films and Composition-modulated Superstructures. <i>Journal of the Electrochemical Society</i> , <b>1992</b> , 139, L40-L41	3.9	13
13	Preparation, Voltammetric Characterization, and Use of a Composite Containing Chemically Synthesized Polypyrrole and a Carrier Polymer. <i>Journal of the Electrochemical Society</i> , <b>1992</b> , 139, L75-L76	3.9	9
12	Electrosynthesis of Thin Films of CdZnSe : Composition Modulation and Bandgap Engineering in the Ternary System. <i>Journal of the Electrochemical Society</i> , <b>1992</b> , 139, 23-27	3.9	53
11	Electrosynthesized thin films of group II-VI compound semiconductors, alloys and superstructures. <i>Advanced Materials</i> , <b>1992</b> , 4, 23-29	24	144
10	Anodic Electrosynthesis of Cadmium Selenide Thin Films : Characterization and Comparison with the Passive/Transpassive Behavior of the Counterparts. <i>Journal of the Electrochemical Society</i> , <b>1991</b> , 138, 100-108	3.9	45
9	Anodic Oxidation of Telluride Ions in Aqueous Base: A Rotating Ring-Disk Electrode Study. <i>Journal of the Electrochemical Society</i> , <b>1990</b> , 137, 3438-3441	3.9	16
8	A re-examination of the mechanisms of electrodeposition of CdX and ZnX (X = Se, Te) semiconductors by the cyclic photovoltammetric technique. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1989</b> , 273, 169-182		104
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6	Thermolytic Formation of Noble Metals and Their Oxides from Chloride Precursors: A Thermal Analysis Study. <i>Journal of the Electrochemical Society</i> , <b>1987</b> , 134, 1830-1835	3.9	42
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