

Krishnan Rajeshwar

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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	Heterogeneous photocatalytic treatment of organic dyes in air and aqueous media. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2008 , 9, 171-192	16.4	580
139	Semiconductor-Based Composite Materials: Preparation, Properties, and Performance. <i>Chemistry of Materials</i> , 2001 , 13, 2765-2782	9.6	434
138	Electrochemistry and the environment. <i>Journal of Applied Electrochemistry</i> , 1994 , 24, 1077	2.6	318
137	Hydrogen generation at irradiated oxide semiconductor/solution interfaces. <i>Journal of Applied Electrochemistry</i> , 2007 , 37, 765-787	2.6	217
136	Efficient solar photoelectrosynthesis of methanol from carbon dioxide using hybrid CuO-Cu ₂ O semiconductor nanorod arrays. <i>Chemical Communications</i> , 2013 , 49, 1297-9	5.8	212
135	Solution combustion synthesis of oxide semiconductors for solar energy conversion and environmental remediation. <i>Chemical Society Reviews</i> , 2009 , 38, 1984-98	58.5	189
134	Photoelectrochemistry and the environment. <i>Journal of Applied Electrochemistry</i> , 1995 , 25, 1067	2.6	159
133	Electrosynthesized thin films of group II/VI compound semiconductors, alloys and superstructures. <i>Advanced Materials</i> , 1992 , 4, 23-29	24	144
132	Photocatalytic Reduction and Immobilization of Hexavalent Chromium at Titanium Dioxide in Aqueous Basic Media. <i>Journal of the Electrochemical Society</i> , 1993 , 140, 2477-2482	3.9	121
131	Electrodeposited copper oxide films: Effect of bath pH on grain orientation and orientation-dependent interfacial behavior. <i>Thin Solid Films</i> , 2007 , 515, 3090-3095	2.2	118
130	Tungsten-based oxide semiconductors for solar hydrogen generation. <i>Catalysis Today</i> , 2013 , 199, 53-64	5.3	109
129	Tailoring copper oxide semiconductor nanorod arrays for photoelectrochemical reduction of carbon dioxide to methanol. <i>ChemPhysChem</i> , 2013 , 14, 2251-9	3.2	104
128	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> , 1989 , 273, 169-182		104
127	Enhanced Photoelectrochemical Performance of Cuprous Oxide/Graphene Nanohybrids. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6682-6692	16.4	93
126	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> , 2015 , 43, 96-135	29.6	89
125	Comparison of oxidation efficiency of disperse dyes by chemical and photoelectrocatalytic chlorination and removal of mutagenic activity. <i>Electrochimica Acta</i> , 2009 , 54, 2086-2093	6.7	88
124	Photoelectrochemical reduction of CO ₂ on Cu/Cu ₂ O films: Product distribution and pH effects. <i>Chemical Engineering Journal</i> , 2015 , 264, 302-309	14.7	87

123	Titania-based heterogeneous photocatalysis. Materials, mechanistic issues, and implications for environmental remediation. <i>Pure and Applied Chemistry</i> , 2001 , 73, 1849-1860	2.1	87
122	Photocatalytic Activity of Inorganic Semiconductor Surfaces: Myths, Hype, and Reality. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 139-47	6.4	81
121	Bringing Conjugated Polymers and Oxide Nanoarchitectures into Intimate Contact: Light-Induced Electrodeposition of Polypyrrole and Polyaniline on Nanoporous WO ₃ or TiO ₂ Nanotube Array. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 19145-19155	3.8	81
120	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> , 1999 , 29, 1111-1118	2.6	80
119	Electro- and Photoreduction of Carbon Dioxide: The Twain Shall Meet at Copper Oxide/Copper Interfaces. <i>ACS Energy Letters</i> , 2016 , 1, 332-338	20.1	74
118	Photocatalytic production of hydrogen from electrodeposited p-Cu ₂ O film and sacrificial electron donors. <i>International Journal of Hydrogen Energy</i> , 2007 , 32, 4661-4669	6.7	71
117	Reduction of Hexavalent Chromium in Aqueous Solutions by Polypyrrole. <i>Journal of the Electrochemical Society</i> , 1993 , 140, L60-L62	3.9	70
116	Tailoring Interfaces for Electrochemical Synthesis of Semiconductor Films: BiVO ₄ , Bi ₂ O ₃ , or Composites. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 7793-7800	3.8	68
115	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> , 2011 , 2, 1301-1304	6.4	63
114	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> , 1999 , 29, 533-539	2.6	63
113	Review Copper Oxide-Based Ternary and Quaternary Oxides: Where Solid-State Chemistry Meets Photoelectrochemistry. <i>Journal of the Electrochemical Society</i> , 2018 , 165, H3192-H3206	3.9	58
112	Decoration of ultra-long carbon nanotubes with Cu ₂ O nanocrystals: a hybrid platform for enhanced photoelectrochemical CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3139-3147	13	55
111	Electrosynthesis of Thin Films of CdZnSe : Composition Modulation and Bandgap Engineering in the Ternary System. <i>Journal of the Electrochemical Society</i> , 1992 , 139, 23-27	3.9	53
110	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> , 1995 , 398, 5-12	4.1	48
109	Composite WO ₃ /TiO ₂ films prepared by pulsed electrodeposition: morphological aspects and electrochromic behavior. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 566, 249-256	4.1	47
108	Solution Combustion Synthesis, Characterization, and Photoelectrochemistry of CuNb ₂ O ₆ and ZnNb ₂ O ₆ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 16024-16034	3.8	45
107	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> , 1991 , 138, 100-108	3.9	45
106	Electrochemical Aspects of Photocatalysis: Application to Detoxification and Disinfection Scenarios. <i>Journal of Chemical Education</i> , 1995 , 72, 1044	2.4	44

105	Polyaniline films photoelectrochemically reduce CO ₂ to alcohols. <i>Chemical Communications</i> , 2016 , 52, 8858-61	5.8	42
104	Thermolytic Formation of Noble Metals and Their Oxides from Chloride Precursors: A Thermal Analysis Study. <i>Journal of the Electrochemical Society</i> , 1987 , 134, 1830-1835	3.9	42
103	Electrodeposition of CdTe Thin Films. <i>Journal of the Electrochemical Society</i> , 1984 , 131, 2032-2037	3.9	42
102	Photoelectrochemical Behavior of Nanocomposite Films of Cadmium Sulfide, or Titanium Dioxide, and Nickel. <i>Journal of the Electrochemical Society</i> , 1997 , 144, 3159-3163	3.9	40
101	Solution Combustion Synthesis, Characterization, and Photocatalytic Activity of CuBi ₂ O ₄ and Its Nanocomposites with CuO and Bi ₂ O ₃ . <i>Journal of Physical Chemistry C</i> , 2017 , 121, 8252-8261	3.8	39
100	Photocatalytic Removal of Nickel from Aqueous Solutions Using Ultraviolet-Irradiated TiO ₂ . <i>Journal of the Electrochemical Society</i> , 1997 , 144, 2751-2756	3.9	39
99	Reduction of Hexavalent Chromium in Aqueous Solutions by Polypyrrole: II. Thermodynamic, Kinetic, and Mechanistic Aspects. <i>Journal of the Electrochemical Society</i> , 1996 , 143, 44-51	3.9	39
98	Time- and energy-efficient solution combustion synthesis of binary metal tungstate nanoparticles with enhanced photocatalytic activity. <i>ChemSusChem</i> , 2015 , 8, 1652-63	8.3	38
97	A 4 % Efficient Dye-Sensitized Solar Cell Fabricated from Cathodically Electrosynthesized Composite Titania Films. <i>Advanced Materials</i> , 2003 , 15, 1823-1825	24	38
96	Reversibility of Photoelectrochromism at the TiO ₂ /Methylene Blue Interface. <i>Journal of the Electrochemical Society</i> , 1997 , 144, 2486-2490	3.9	37
95	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> , 1996 , 100, 18234-18239		36
94	Electrosynthesis of Bismuth Vanadate Photoelectrodes. <i>Electrochemical and Solid-State Letters</i> , 2010 , 13, D29		34
93	On the measured optical bandgap values of inorganic oxide semiconductors for solar fuels generation. <i>Catalysis Today</i> , 2018 , 300, 136-144	5.3	33
92	Composites of polypyrrole and carbon black: Part III. Chemical synthesis and characterization. <i>Journal of Materials Research</i> , 1995 , 10, 1811-1822	2.5	33
91	Underpotential Photocatalytic Deposition: A New Preparative Route to Composite Semiconductors. <i>Chemistry of Materials</i> , 2000 , 12, 3538-3540	9.6	32
90	Mesoporous iron oxide nanowires: synthesis, magnetic and photocatalytic properties. <i>RSC Advances</i> , 2016 , 6, 90537-90546	3.7	31
89	Synergistic photocatalysis mediated by TiO ₂ : mutual rate enhancement in the photoreduction of Cr(VI) and Cu(II) in aqueous media. <i>Electrochemistry Communications</i> , 2001 , 3, 290-292	5.1	31
88	Sonolytic enhancement of the bactericidal activity of irradiated titanium dioxide suspensions in water. <i>Research on Chemical Intermediates</i> , 1997 , 23, 311-323	2.8	29

87	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> , 1998 , 14, 2933-2935	4	29
86	Continuous Flow Photoelectrochemical Reactor for Solar Conversion of Carbon Dioxide to Alcohols. <i>Journal of the Electrochemical Society</i> , 2015 , 162, E115-E122	3.9	28
85	Electrodeposition of CdTe thin films on Te-modified polycrystalline gold substrates. <i>Journal of Electroanalytical Chemistry</i> , 2007 , 601, 77-82	4.1	28
84	Photocatalytic generation of syngas using combustion-synthesized silver bismuth tungstate. <i>ChemPhysChem</i> , 2012 , 13, 2945-55	3.2	27
83	Spatially directed electrosynthesis of semiconductors for photoelectrochemical applications. <i>Current Opinion in Solid State and Materials Science</i> , 2004 , 8, 173-182	12	25
82	On the electrochemical synthesis and charge storage properties of WO ₃ /polyaniline hybrid nanostructures. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 2741-2751	2.6	24
81	Self-organized TiO ₂ 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> , 2007 , 22, 3186-3195	2.5	24
80	Electrocomposites of Polypyrrole and Carbon Black. <i>Journal of the Electrochemical Society</i> , 1994 , 141, L13-L15	3.9	24
79	Rapid One-Pot Synthesis and Photoelectrochemical Properties of Copper Vanadates. <i>ACS Applied Energy Materials</i> , 2019 , 2, 2837-2847	6.1	22
78	Electrodeposition and stripping analysis of bismuth selenide thin films using combined electrochemical quartz crystal microgravimetry and stripping voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2010 , 638, 195-203	4.1	22
77	Redox characterization of furnace carbon black surfaces. <i>Carbon</i> , 2001 , 39, 515-522	10.4	21
76	Photoelectrochemical Oxidation of Aqueous Sulfite on Ni/TiO ₂ Composite Film Electrodes. <i>Langmuir</i> , 2000 , 16, 8426-8431	4	21
75	One-Step Electrodeposition of Nanocrystalline TiO ₂ Films with Enhanced Photoelectrochemical Performance and Charge Storage. <i>ACS Applied Energy Materials</i> , 2018 , 1, 851-858	6.1	20
74	Heterojunction Photoelectrodes: II. Electrochemistry at Tin-Doped Indium Oxide/Aqueous Electrolyte Interfaces. <i>Journal of the Electrochemical Society</i> , 1985 , 132, 2109-2115	3.9	20
73	Platinum-carbon black-titanium dioxide nanocomposite electrocatalysts for fuel cell applications. <i>Journal of Chemical Sciences</i> , 2009 , 121, 655-664	1.8	19
72	Cathodic electrodeposition in the ternary Zn/Cd/O system: mixed (ZnO) _x (CdO) _{1-x} film formation versus Cd-doping of ZnO films. <i>Thin Solid Films</i> , 2006 , 515, 2464-2470	2.2	19
71	Semiconductor nanostructures in an alumina template matrix: micro- versus macro-scale photoelectrochemical behavior. <i>Electrochimica Acta</i> , 2002 , 47, 2603-2613	6.7	19
70	Photolytic and Photocatalytic Destruction of Formaldehyde in Aqueous Media. <i>Journal of the Electrochemical Society</i> , 1996 , 143, 1562-1570	3.9	19

69	Electrodeposition of Inorganic Oxide/Nanocarbon Composites: Opportunities and Challenges. <i>ChemElectroChem</i> , 2016 , 3, 181-192	4.3	18
68	On the Substantially Improved Photoelectrochemical Properties of Nanoporous WO ₃ Through Surface Decoration with RuO ₂ . <i>Electrocatalysis</i> , 2013 , 4, 382-389	2.7	18
67	Reduction of carbon dioxide at copper(I) oxide photocathode activated and stabilized by over-coating with oligoaniline. <i>Electrochimica Acta</i> , 2018 , 265, 400-410	6.7	17
66	Photocatalytically Prepared Metal Nanocluster/Oxide Semiconductor/Carbon Nanocomposite Electrodes for Driving Multielectron Transfer. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 3468-3478	6.4	17
65	Auger electron emission initiated by the creation of valence-band holes in graphene by positron annihilation. <i>Nature Communications</i> , 2017 , 8, 16116	17.4	17
64	Radical-mediated photoreduction of manganese(II) species in UV-irradiated titania suspensions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002 , 147, 199-204	4.7	17
63	Fundamentals of Semiconductor Electrochemistry and Photoelectrochemistry 2002 ,		17
62	Reduction of hexavalent chromium by copper. <i>Journal of Applied Electrochemistry</i> , 2000 , 30, 891-897	2.6	17
61	Photocatalytic reactivity of thallium(I) species in aqueous suspensions of titania. <i>Journal of Electroanalytical Chemistry</i> , 2002 , 519, 25-32	4.1	16
60	Electrosynthesis of cadmium sulfide on sulfur- or thiol-modified polycrystalline gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2005 , 574, 367-373	4.1	16
59	Anodic Oxidation of Telluride Ions in Aqueous Base: A Rotating Ring-Disk Electrode Study. <i>Journal of the Electrochemical Society</i> , 1990 , 137, 3438-3441	3.9	16
58	Rotating ring-disk voltammetry: Diagnosis of catalytic activity of metallic copper catalysts toward CO ₂ electroreduction. <i>Russian Journal of Electrochemistry</i> , 2017 , 53, 1194-1203	1.2	15
57	Phase-Pure Copper Vanadate (CuV ₂ O ₆): Solution Combustion Synthesis and Characterization. <i>Chemistry of Materials</i> , 2020 , 32, 6247-6255	9.6	15
56	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> , 2016 , 120, 16069-16079	3.8	15
55	Heterojunction CdS/CdTe solar cells based on electrodeposited p-CdTe thin films: Fabrication and characterization. <i>Journal of Applied Physics</i> , 1985 , 58, 3590-3593	2.5	15
54	Chemical Attack on Polypyrrole by Electrolytically Generated Solution Species in Aqueous Chloride Medium. <i>Journal of the Electrochemical Society</i> , 1994 , 141, 2942-2946	3.9	14
53	Electrodeposition of Cobalt Selenide Thin Films: An Electrochemical Quartz Crystal Microgravimetry Study. <i>Journal of the Electrochemical Society</i> , 2017 , 164, D861-D866	3.9	13
52	Adsorption of Thallium(I) Ions on Titania Particle Surfaces in Aqueous Media. <i>Adsorption Science and Technology</i> , 2003 , 21, 217-228	3.6	13

51	Flow Electrosyntheses of Group II-VI Compound Semiconductor Thin Films and Composition-modulated Superstructures. <i>Journal of the Electrochemical Society</i> , 1992 , 139, L40-L41	3.9	13
50	Immobilizing semiconductor particles by occlusion electrosynthesis in an oxide film matrix: the titania model case. <i>Electrochemistry Communications</i> , 2002 , 4, 871-876	5.1	12
49	Composite copper oxide/copper bromide films for the selective electroreduction of carbon dioxide. <i>Journal of Materials Research</i> , 2017 , 32, 1727-1734	2.5	10
48	Synthesis of Au-BiVO ₄ nanocomposite through anodic electrodeposition followed by galvanic replacement and its application to the photocatalytic decomposition of methyl orange. <i>ChemPhysChem</i> , 2014 , 15, 2052-7	3.2	10
47	Bioinspired photocatalyst assemblies for environmental remediation. <i>Electrochimica Acta</i> , 2012 , 84, 96-102	3.7	10
46	Silver Oxide-Based Semiconductors for Solar Fuels Production and Environmental Remediation: a Solid-State Chemistry Approach. <i>ChemElectroChem</i> , 2019 , 6, 87-96	4.3	10
45	Cadmium- and indium-doped zinc oxide by combustion synthesis using dopant chloride precursors. <i>Journal of Materials Research</i> , 2006 , 21, 3234-3241	2.5	9
44	Chronopotentiometry of Titania Film Electrodes in Aqueous Media. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 11531-11538	3.4	9
43	Preparation, Voltammetric Characterization, and Use of a Composite Containing Chemically Synthesized Polypyrrole and a Carrier Polymer. <i>Journal of the Electrochemical Society</i> , 1992 , 139, L75-L78	3.9	9
42	Heterojunction Photoelectrodes: III . Cyclic Voltammetry at Indium Tin Oxide-Coated Silicon/Aqueous Redox Electrolyte Interfaces. <i>Journal of the Electrochemical Society</i> , 1986 , 133, 531-536	3.9	9
41	Electrochemical Deposition of a Metal-Organic Framework and Subsequent Conversion to Cobalt Selenide. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 1358-1364	4	9
40	Complex Oxides Based on Silver, Bismuth, and Tungsten: Syntheses, Characterization, and Photoelectrochemical Behavior. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13473-13480	3.8	8
39	Passivation of Mercury Cadmium Telluride Surfaces via Electrochemical Generation of a Zinc Telluride Layer. <i>Journal of the Electrochemical Society</i> , 1993 , 140, 829-834	3.9	8
38	Current Trends in Semiconductor Photoelectrochemistry. <i>ACS Energy Letters</i> , 2017 , 2, 1425-1428	20.1	7
37	Ternary rare earth sulfide CaCe ₂ S ₄ : Synthesis and characterization of stability, structure, and photoelectrochemical properties in aqueous media. <i>Journal of Solid State Chemistry</i> , 2018 , 262, 149-155	3.3	7
36	Photoinduced synthesis of CdTe nanoparticles using Te-modified gold electrode in poly(vinyl pyrrolidone)-containing electrolyte. <i>Journal of Applied Electrochemistry</i> , 2008 , 38, 203-206	2.6	7
35	Flavin Derivatives with Tailored Redox Properties: Synthesis, Characterization, and Electrochemical Behavior. <i>Chemistry - A European Journal</i> , 2016 , 22, 9209-17	4.8	7
34	Solution Combustion Synthesis of Complex Oxide Semiconductors. <i>International Journal of Self-Propagating High-Temperature Synthesis</i> , 2018 , 27, 129-140	0.7	7

- 33 Electrodeposition of Silver Vanadate Films: A Tale of Two Polymorphs. *ChemPhysChem*, **2019**, 20, 2635-2646 6
- 32 Toxicity Assessment and Degradation of Disperse Azo Dyes by Photoelectrocatalytic Oxidation on Ti/TiO₂ Nanotubular Array Electrodes. *Journal of Advanced Oxidation Technologies*, **2008**, 11, 3-9 6
- 31 Compositional Analysis of Electrodeposited Cobalt Selenide Thin Films Using Continuous Flow Electrochemical Quartz Crystal Microgravimetry. *Journal of the Electrochemical Society*, **2018**, 165, D370-D374 6
- 30 Catalytic Modification of Indium Tin Oxide Electrode Surfaces. *Journal of the Electrochemical Society*, **1987**, 134, 768-769 3.9 5
- 29 Photoelectrochemical Reduction of CO₂ at Poly(4-Vinylpyridine)-Stabilized Copper(I) Oxide Semiconductor: Feasibility of Interfacial Decoration with Palladium Cocatalyst. *Solar Rrl*, **2021**, 5, 2000705 7.1 5
- 28 Improved rate of substrate oxidation catalyzed by genetically-engineered myoglobin. *Archives of Biochemistry and Biophysics*, **2018**, 639, 44-51 4.1 4
- 27 Electrocatalytic behavior of freely-diffusing and immobilized synthetic flavins in aqueous media. *Catalysis Science and Technology*, **2016**, 6, 8441-8448 5.5 4
- 26 Synthesis of Au/ZnO Composite Nanorod Arrays via Electrodeposition Followed by Galvanic Replacement. *ECS Electrochemistry Letters*, **2013**, 2, D33-D36 4
- 25 Review Research Needs for Photovoltaics in the 21st Century. *ECS Journal of Solid State Science and Technology*, **2020**, 9, 125010 2 4
- 24 Naming Photoelectrochemical Processes: Why Thermodynamics Holds the Key. *ACS Energy Letters*, **2021**, 6, 2198-2201 20.1 4
- 23 Solution Combustion Synthesis of BiVO₄ Nanoparticles: Effect of Combustion Precursors on the Photocatalytic Activity. *Journal of Advanced Oxidation Technologies*, **2011**, 14, 3
- 22 Photo-electrochemical and photocatalytic properties of chemically-treated and thermally-annealed titanium dioxide films. *Research on Chemical Intermediates*, **2007**, 33, 225-237 2.8 3
- 21 Interfacial chemistry at metal/CdTe contacts as probed by differential scanning calorimetry. *Journal of Applied Physics*, **1994**, 76, 4145-4153 2.5 3
- 20 Arc Synthesis, Crystal Structure, and Photoelectrochemistry of Copper(I) Tungstate. *ACS Applied Materials & Interfaces*, **2021**, 13, 32865-32875 9.5 3
- 19 Role of f Electrons in the Optical and Photoelectrochemical Behavior of Ca(LaCe)₂S (0 $\leq x \leq 1$). *Inorganic Chemistry*, **2019**, 58, 4553-4560 5.1 2
- 18 Study of cuprous oxide using time of flight positron annihilation induced Auger electron spectroscopy. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2007**, 4, 3932-3934 2
- 17 Flow electroanalysis of metal alloy films: Application to the compositional assay of Copper-Nickel alloys. *Electroanalysis*, **1996**, 8, 1140-1144 3 2
- 16 Heterojunction Photoelectrodes: IV . Electrochemistry and Photoelectrochemistry at Indium Tin Oxide/Nonaqueous Electrolyte Interfaces. *Journal of the Electrochemical Society*, **1987**, 134, 2491-2496 3.9 2

15	Electrosynthesis of MoTe ₂ Thin Films: A Combined Voltammetry-Electrochemical Quartz Crystal Microgravimetry Study of Mechanistic Aspects. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 116510 ^{3.9}	2
14	Electrosynthesis and Properties of Crystalline and Phase-Pure Silver Orthovanadate. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 19980-19989	3.8 2
13	Combining Electrosynthesis with Thermolysis: A Safe/Scalable Route to Multinary Oxide Semiconductor Films. <i>ChemElectroChem</i> , 2021 , 8, 1251-1258	4.3 2
12	Optical, Electrochemical, and Photoelectrochemical Behavior of Copper Pyrovanadate: A Unified Theoretical and Experimental Study. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 19609-19620	3.8 2
11	Chalcogenides: Solid-State Chemistry 2020 , 1-23	1
10	Structure and optical properties of a new AgBiW ₂ O ₈ polymorph. <i>Polyhedron</i> , 2019 , 170, 486-489	2.7 1
9	EditorsChoicePerspectiveBipolar Photoactivity: The Anomalous Case of Electrodeposited Copper Oxide Films. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 136505	3.9 0
8	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> , 2022 , 149, 111716	5.1 0
7	Electrosynthesis of CdS/MoS ₂ Using Electrodeposited MoS _x : A Combined VoltammetryElectrochemical Quartz Crystal Nanogravimetry Study. <i>ACS Applied Energy Materials</i> , 2021 , 4, 7562-7570	6.1 0
6	Cathodic Electrodeposition of Stoichiometric Cobalt Chalcogenide Thin Films. <i>ECS Journal of Solid State Science and Technology</i> , 2020 , 9, 041013	2
5	Electrodeposition of Inorganic Oxide/Nanocarbon Composites: Opportunities and Challenges. <i>ChemElectroChem</i> , 2016 , 3, 176-176	4.3
4	From the Editor: Electrochemistry, Solid-State Science/Technology, and Health Care. <i>Electrochemical Society Interface</i> , 2010 , 19, 3-3	3.6
3	From the Editor: Eleven Years After. <i>Electrochemical Society Interface</i> , 2010 , 19, 3-3	3.6
2	Publishing and Researching in a Post-Covid World. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 140002	3.9
1	Publishing and Researching in a Post-Covid World. <i>ECS Journal of Solid State Science and Technology</i> , 2020 , 9, 100001	2