

Krishnan Rajeshwar

List of Publications by Year in descending order

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145
papers

7,466
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61984

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58581

82
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152
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152
docs citations

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times ranked

8507
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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. | 5.2 | 5 |
| 2 | Combining Electrosynthesis with Thermolysis: A Safe/Scalable Route to Multinary Oxide Semiconductor Films. <i>ChemElectroChem</i> , 2021, 8, 1251-1258. | 3.4 | 5 |
| 3 | Photoelectrochemical Reduction of CO ₂ at Poly(4-vinylpyridine)-Stabilized Copper(I) Oxide Semiconductor: Feasibility of Interfacial Decoration with Palladium Cocatalyst. <i>Solar Rrl</i> , 2021, 5, 2000705. | 5.8 | 7 |
| 4 | Naming Photoelectrochemical Processes: Why Thermodynamics Holds the Key. <i>ACS Energy Letters</i> , 2021, 6, 2198-2201. | 17.4 | 9 |
| 5 | Arc Synthesis, Crystal Structure, and Photoelectrochemistry of Copper(I) Tungstate. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32865-32875. | 8.0 | 11 |
| 6 | Electrosynthesis of CdS/MoS ₂ Using Electrodeposited MoS _x : A Combined Voltammetry-Electrochemical Quartz Crystal Nanogravimetry Study. <i>ACS Applied Energy Materials</i> , 2021, 4, 7562-7570. | 5.1 | 4 |
| 7 | 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. | 3.1 | 4 |
| 8 | 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. | 2.9 | 4 |
| 9 | Electrosynthesis and Properties of Crystalline and Phase-Pure Silver Orthovanadate. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19980-19989. | 3.1 | 8 |
| 10 | Cathodic Electrodeposition of Stoichiometric Cobalt Chalcogenide Thin Films. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 041013. | 1.8 | 1 |
| 11 | Phase-Pure Copper Vanadate (±-CuV ₂ O ₆): Solution Combustion Synthesis and Characterization. <i>Chemistry of Materials</i> , 2020, 32, 6247-6255. | 6.7 | 27 |
| 12 | Editors'™ Choice™ Perspective™ Bipolar Photoactivity: The Anomalous Case of Electrodeposited Copper Oxide Films. <i>Journal of the Electrochemical Society</i> , 2020, 167, 136505. | 2.9 | 3 |
| 13 | Electrodeposition of Silver Vanadate Films: A Tale of Two Polymorphs. <i>ChemPhysChem</i> , 2019, 20, 2635-2646. | 2.1 | 10 |
| 14 | Rapid One-Pot Synthesis and Photoelectrochemical Properties of Copper Vanadates. <i>ACS Applied Energy Materials</i> , 2019, 2, 2837-2847. | 5.1 | 34 |
| 15 | Silver Oxide-Based Semiconductors for Solar Fuels Production and Environmental Remediation: a Solid-State Chemistry Approach. <i>ChemElectroChem</i> , 2019, 6, 87-96. | 3.4 | 15 |
| 16 | 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. | 5.2 | 23 |
| 17 | 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. | 5.1 | 32 |
| 18 | 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. | 2.9 | 70 |

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| 19 | On the measured optical bandgap values of inorganic oxide semiconductors for solar fuels generation. <i>Catalysis Today</i> , 2018, 300, 136-144. | 4.4 | 43 |
| 20 | Compositional Analysis of Electrodeposited Cobalt Selenide Thin Films Using Continuous Flow Electrochemical Quartz Crystal Microgravimetry. <i>Journal of the Electrochemical Society</i> , 2018, 165, D370-D374. | 2.9 | 6 |
| 21 | Bandgap-engineered quaternary $M_x Bi_{2-x} Ti_2 O_7$ (M: Fe, Mn) semiconductor nanoparticles: Solution combustion synthesis, characterization, and photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2017, 208, 148-160. | 20.2 | 34 |
| 22 | Composite copper oxide-copper bromide films for the selective electroreduction of carbon dioxide. <i>Journal of Materials Research</i> , 2017, 32, 1727-1734. | 2.6 | 13 |
| 23 | Enhanced Photoelectrochemical Performance of Cuprous Oxide/Graphene Nanohybrids. <i>Journal of the American Chemical Society</i> , 2017, 139, 6682-6692. | 13.7 | 120 |
| 24 | Current Trends in Semiconductor Photoelectrochemistry. <i>ACS Energy Letters</i> , 2017, 2, 1425-1428. | 17.4 | 7 |
| 25 | Electrodeposition of Cobalt Selenide Thin Films: An Electrochemical Quartz Crystal Microgravimetry Study. <i>Journal of the Electrochemical Society</i> , 2017, 164, D861-D866. | 2.9 | 16 |
| 26 | Flavin Derivatives with Tailored Redox Properties: Synthesis, Characterization, and Electrochemical Behavior. <i>Chemistry - A European Journal</i> , 2016, 22, 9209-9217. | 3.3 | 14 |
| 27 | Electrodeposition of Inorganic Oxide/Nanocarbon Composites: Opportunities and Challenges. <i>ChemElectroChem</i> , 2016, 3, 181-192. | 3.4 | 21 |
| 28 | Polyaniline films photoelectrochemically reduce CO_2 to alcohols. <i>Chemical Communications</i> , 2016, 52, 8858-8861. | 4.1 | 53 |
| 29 | Time- and Energy-efficient Solution Combustion Synthesis of Binary Metal Tungstate Nanoparticles with Enhanced Photocatalytic Activity. <i>ChemSusChem</i> , 2015, 8, 1652-1663. | 6.8 | 44 |
| 30 | Continuous Flow Photoelectrochemical Reactor for Solar Conversion of Carbon Dioxide to Alcohols. <i>Journal of the Electrochemical Society</i> , 2015, 162, E115-E122. | 2.9 | 38 |
| 31 | Photocatalytic Activity of Inorganic Semiconductor Surfaces: Myths, Hype, and Reality. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 139-147. | 4.6 | 97 |
| 32 | 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. | 2.5 | 28 |
| 33 | 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. | 12.7 | 114 |
| 34 | Photoelectrochemical Infiltration of a Conducting Polymer (PEDOT) into Metal-Chalcogenide Decorated TiO_2 Nanotube Arrays. <i>Electrochimica Acta</i> , 2015, 151, 467-476. | 5.2 | 20 |
| 35 | Preparation of Au-Bi $_2$ O $_3$ Nanocomposite by Anodic Electrodeposition Combined with Galvanic Replacement. <i>Journal of the Electrochemical Society</i> , 2014, 161, D499-D503. | 2.9 | 16 |
| 36 | Mechanistic Aspects of Photoelectrochemical Polymerization of Polypyrrole on a TiO_2 Nanotube Array. <i>Electrochimica Acta</i> , 2014, 122, 303-309. | 5.2 | 22 |

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| 37 | Synthesis of Au-BiVO ₄ Nanocomposite through Anodic Electrodeposition Followed by Galvanic Replacement and Its Application to the Photocatalytic Decomposition of Methyl Orange. ChemPhysChem, 2014, 15, 2052-2057. | 2.1 | 10 |
| 38 | Photoelectrochemistry, Fundamentals and Applications. , 2014, , 1550-1556. | | 2 |
| 39 | Photocatalytically Prepared Metal Nanoclusterâ€“Oxide Semiconductorâ€“Carbon Nanocomposite Electrodes for Driving Multielectron Transfer. Journal of Physical Chemistry Letters, 2013, 4, 3468-3478. | 4.6 | 18 |
| 40 | Efficient solar photoelectrosynthesis of methanol from carbon dioxide using hybrid CuOâ€“Cu ₂ O semiconductor nanorod arrays. Chemical Communications, 2013, 49, 1297. | 4.1 | 230 |
| 41 | On the Substantially Improved Photoelectrochemical Properties of Nanoporous WO ₃ Through Surface Decoration with RuO ₂ . Electrocatalysis, 2013, 4, 382-389. | 3.0 | 21 |
| 42 | Tailoring Copper Oxide Semiconductor Nanorod Arrays for Photoelectrochemical Reduction of Carbon Dioxide to Methanol. ChemPhysChem, 2013, 14, 2251-2259. | 2.1 | 119 |
| 43 | Electrodeposition of Cu ₂ Se Semiconductor Thin Film on Se-Modified Polycrystalline Au Electrode. Journal of Electrochemical Science and Technology, 2013, 4, 140-145. | 2.2 | 8 |
| 44 | Electrodeposition of Cu ₂ Se Semiconductor Thin Film on Se-Modified Polycrystalline Au Electrode. Journal of Electrochemical Science and Technology, 2013, 4, 140-145. | 2.2 | 4 |
| 45 | New-Generation Oxide Semiconductors for Solar Energy Conversion and Environmental Remediation. Journal of Nano Research, 2012, 17, 185-191. | 0.8 | 2 |
| 46 | Photocatalytically Generated Trimetallic (Pt-Pd-Au/C-TiO ₂) Nanocomposite Electrocatalyst. Journal of the Electrochemical Society, 2012, 159, F226-F233. | 2.9 | 13 |
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| 49 | Bioinspired photocatalyst assemblies for environmental remediation. Electrochimica Acta, 2012, 84, 96-102. | 5.2 | 10 |
| 50 | CdSe/ZnO Composite via Galvanic Displacement Followed by Photocathodic Deposition: Hybrid Electrosynthesis and Characterization. Journal of Physical Chemistry C, 2012, 116, 20146-20153. | 3.1 | 13 |
| 51 | Electrodeposited Polyaniline in a Nanoporous WO ₃ Matrix: An Organic/Inorganic Hybrid Exhibiting Both p- and n-Type Photoelectrochemical Activity. Journal of Physical Chemistry C, 2012, 116, 4234-4242. | 3.1 | 68 |
| 52 | 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. Journal of Physical Chemistry C, 2012, 116, 19145-19155. | 3.1 | 92 |
| 53 | Photocatalytic Generation of Syngas Using Combustionâ€“Synthesized Silver Bismuth Tungstate. ChemPhysChem, 2012, 13, 2945-2955. | 2.1 | 30 |
| 54 | Tailoring Interfaces for Electrochemical Synthesis of Semiconductor Films: BiVO ₄ , Bi ₂ O ₃ , or Composites. Journal of Physical Chemistry C, 2011, 115, 7793-7800. | 3.1 | 78 |

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| 55 | Solar Energy Conversion and Environmental Remediation Using Inorganic Semiconductorâ€“Liquid Interfaces: The Road Traveled and the Way Forward. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1301-1309. | 4.6 | 75 |
| 56 | Anodic Growth of Titania Nanotube Array on Titanium Substrate: A Study by Electrochemical Impedance Spectroscopy. <i>Journal of the Electrochemical Society</i> , 2011, 158, D84. | 2.9 | 15 |
| 57 | Photoelectrolysis of Aqueous Lignite and Carbon Black Slurry Suspensions. <i>Electrochemical and Solid-State Letters</i> , 2011, 14, E31. | 2.2 | 1 |
| 58 | 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. | 3.8 | 24 |
| 59 | Cathodic Electrosynthesis of Niobium Oxide One-Dimensional Nanostructures with Tailored Dimensions. <i>Electrochemical and Solid-State Letters</i> , 2010, 13, B69. | 2.2 | 12 |
| 60 | Photocatalytically Generated Bimetallic (Ptâ€“Auâ€“Cdâ€“TiO[sub 2]) Electrocatalysts for Polymer Electrolyte Fuel Cell Applications. <i>Journal of the Electrochemical Society</i> , 2010, 157, B147. | 2.9 | 15 |
| 61 | Electrochemical Grafting of Poly(3,4-ethylenedioxythiophene) into a Titanium Dioxide Nanotube Host Network. <i>Langmuir</i> , 2010, 26, 13697-13702. | 3.5 | 31 |
| 62 | Electrosynthesis of Bismuth Vanadate Photoelectrodes. <i>Electrochemical and Solid-State Letters</i> , 2010, 13, D29. | 2.2 | 36 |
| 63 | Bisphenol A removal from wastewater using self-organized TiO2 nanotubular array electrodes. <i>Chemosphere</i> , 2010, 78, 569-575. | 8.2 | 108 |
| 64 | Platinum-carbon black-titanium dioxide nanocomposite electrocatalysts for fuel cell applications. <i>Journal of Chemical Sciences</i> , 2009, 121, 655-664. | 1.5 | 21 |
| 65 | 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. | 5.2 | 104 |
| 66 | Photoelectrochemical Behavior of Polychelate Porphyrin Chromophores and Titanium Dioxide Nanotube Arrays for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2009, 113, 2996-3006. | 3.1 | 53 |
| 67 | Solution combustion synthesis of oxide semiconductors for solar energy conversion and environmental remediation. <i>Chemical Society Reviews</i> , 2009, 38, 1984. | 38.1 | 202 |
| 68 | Anodic growth of nanoporous WO3 films: Morphology, photoelectrochemical response and photocatalytic activity for methylene blue and hexavalent chrome conversion. <i>Journal of Electroanalytical Chemistry</i> , 2008, 612, 112-120. | 3.8 | 126 |
| 69 | Formation and Characterization of Self-Organized TiO₂ Nanotube Arrays by Pulse Anodization. <i>Journal of the American Chemical Society</i> , 2008, 130, 965-974. | 13.7 | 106 |
| 70 | Combustion Synthesis and Characterization of Nanocrystalline WO₃. <i>Journal of the American Chemical Society</i> , 2008, 130, 6318-6319. | 13.7 | 242 |
| 71 | Photocatalytically Generated Ptâ€“Cdâ€“TiO[sub 2] Electrocatalysts with Enhanced Catalyst Dispersion for Improved Membrane Durability in Polymer Electrolyte Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2008, 155, B1102. | 2.9 | 42 |
| 72 | Compositional Analysis of Electrodeposited Bismuth Telluride Thermoelectric Thin Films Using Combined Electrochemical Quartz Crystal Microgravimetryâ€“Stripping Voltammetry. <i>Analytical Chemistry</i> , 2008, 80, 6724-6730. | 6.5 | 16 |

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| 74 | Titania nanotubes from pulse anodization of titanium foils. <i>Electrochemistry Communications</i> , 2007, 9, 2145-2149. | 4.7 | 46 |
| 75 | Hydrogen generation at irradiated oxide semiconductor/solution interfaces. <i>Journal of Applied Electrochemistry</i> , 2007, 37, 765-787. | 2.9 | 240 |
| 76 | Photocatalytic production of hydrogen from electrodeposited p-Cu ₂ O/p-Cu ₂ O film and sacrificial electron donors. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 4661-4669. | 7.1 | 81 |
| 77 | Cathodic Electrodeposition of CdO Thin Films from Oxygenated Aqueous Solutions. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, C1. | 2.2 | 22 |
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| 79 | Electrochemical impedance spectroscopy and UV-vis reflectance spectroelectrochemistry of cobalt hexacyanoferrate films. <i>Journal of Electroanalytical Chemistry</i> , 2006, 587, 42-55. | 3.8 | 29 |
| 80 | Electrosynthesis of cadmium sulfide on sulfur- or thiol-modified polycrystalline gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2005, 574, 367-373. | 3.8 | 19 |
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| 82 | Selenium-Modified Titanium Dioxide Photochemical Diode/Electrolyte Junctions: Photocatalytic and Electrochemical Preparation, Characterization, and Model Simulations. <i>Journal of Physical Chemistry B</i> , 2005, 109, 11953-11960. | 2.6 | 40 |
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| 85 | Free Radical-Mediated Heterogeneous Photocatalytic Reduction of Metal Ions in UV-Irradiated Titanium Dioxide Suspensions. <i>Journal of Physical Chemistry B</i> , 2004, 108, 4784-4788. | 2.6 | 26 |
| 86 | Multielectron Photoreduction of a Bridged Ruthenium Dimer, [(phen) ₂ Ru(tatpp)Ru(phen) ₂][PF ₆] ₄ : Aqueous Reactivity and Chemical and Spectroelectrochemical Identification of the Photoproducts. <i>Journal of the American Chemical Society</i> , 2004, 126, 11621-11629. | 13.7 | 82 |
| 87 | Metal Hexacyanoferrates: Electrosynthesis, in situ Characterization and Applications. <i>ChemInform</i> , 2003, 34, no. | 0.0 | 1 |
| 88 | Spectroelectrochemistry of palladium hexacyanoferrate films on platinum substrates. <i>Journal of Electroanalytical Chemistry</i> , 2003, 544, 101-106. | 3.8 | 23 |
| 89 | Tungsten trioxide/titanium dioxide composite films prepared by occlusion electrosynthesis in a nickel matrix. <i>Journal of Electroanalytical Chemistry</i> , 2003, 553, 77-85. | 3.8 | 12 |
| 90 | Metal Hexacyanoferrates: Electrosynthesis, in Situ Characterization, and Applications. <i>Chemistry of Materials</i> , 2003, 15, 3046-3062. | 6.7 | 412 |

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| 91 | Cobalt Hexacyanoferrate: Compound Stoichiometry, Infrared Spectroelectrochemistry, and Photoinduced Electron Transfer. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3612-3621. | 2.6 | 131 |
| 92 | Dinuclear Ruthenium(II) Polypyridyl Complexes Containing Large, Redox-Active, Aromatic Bridging Ligands: Synthesis, Characterization, and Intramolecular Quenching of MLCT Excited States. <i>Inorganic Chemistry</i> , 2002, 41, 2471-2476. | 4.0 | 140 |
| 93 | Chronopotentiometry of Titania Film Electrodes in Aqueous Media. <i>Journal of Physical Chemistry B</i> , 2002, 106, 11531-11538. | 2.6 | 9 |
| 94 | Ruthenium Photocatalysts Capable of Reversibly Storing up to Four Electrons in a Single Acceptor Ligand: A Step Closer to Artificial Photosynthesis. <i>Angewandte Chemie</i> , 2002, 114, 3317-3319. | 2.0 | 45 |
| 95 | Ruthenium Photocatalysts Capable of Reversibly Storing up to Four Electrons in a Single Acceptor Ligand: A Step Closer to Artificial Photosynthesis. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3185-3187. | 13.8 | 156 |
| 96 | Immobilizing semiconductor particles by occlusion electrosynthesis in an oxide film matrix: the titania model case. <i>Electrochemistry Communications</i> , 2002, 4, 871-876. | 4.7 | 15 |
| 97 | Semiconductor nanostructures in an alumina template matrix: micro- versus macro-scale photoelectrochemical behavior. <i>Electrochimica Acta</i> , 2002, 47, 2603-2613. | 5.2 | 19 |
| 98 | Cathodic photoprocesses on titania films and in aqueous suspensions. <i>Journal of Electroanalytical Chemistry</i> , 2002, 538-539, 173-182. | 3.8 | 29 |
| 99 | Semiconductor-Based Composite Materials: Preparation, Properties, and Performance. <i>Chemistry of Materials</i> , 2001, 13, 2765-2782. | 6.7 | 482 |
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| 102 | Photoelectrochemistry of indium hexacyanoferrate-titania composite films. <i>Journal of Electroanalytical Chemistry</i> , 2001, 500, 270-278. | 3.8 | 13 |
| 103 | Titania-based heterogeneous photocatalysis. Materials, mechanistic issues, and implications for environmental remediation. <i>Pure and Applied Chemistry</i> , 2001, 73, 1849-1860. | 1.9 | 93 |
| 104 | Preparation, photoelectrochemical characterization, and photoelectrochromic behavior of metal hexacyanoferrate-titanium dioxide composite films. <i>Electrochimica Acta</i> , 2000, 45, 3403-3411. | 5.2 | 40 |
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| 106 | Heterogeneous Photocatalytic Reduction of Cr(VI) in UV-Irradiated Titania Suspensions: Effect of Protons, Ammonium Ions, and Other Interfacial Aspects. <i>Langmuir</i> , 2000, 16, 2715-2721. | 3.5 | 145 |
| 107 | Surface Morphology/Composition and Photoelectrochemical Behavior of Metal-Semiconductor Composite Films. <i>Langmuir</i> , 2000, 16, 5665-5672. | 3.5 | 51 |
| 108 | Photoelectrochemical Oxidation of Aqueous Sulfite on Ni-TiO ₂ Composite Film Electrodes. <i>Langmuir</i> , 2000, 16, 8426-8431. | 3.5 | 22 |

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| 109 | Underpotential Photocatalytic Deposition: A New Preparative Route to Composite Semiconductors. <i>Chemistry of Materials</i> , 2000, 12, 3538-3540. | 6.7 | 34 |
| 110 | Electrosynthesis of cadmium selenide films on a selenium-modified gold surface. <i>Electrochemistry Communications</i> , 1999, 1, 42-45. | 4.7 | 30 |
| 111 | Application of Combined Flow Injection Electrochemical Quartz Crystal Microgravimetry to On-line Electrodeposition and Compositional Analysis of CdSe Thin Films. <i>Microchemical Journal</i> , 1999, 62, 15-25. | 4.5 | 11 |
| 112 | Electrosynthesis of indium sulfide on sulfur-modified polycrystalline gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1998, 444, 7-10. | 3.8 | 24 |
| 113 | Anodic electrosynthesis of Cu ₂ S and CuInS ₂ films. <i>Journal of Electroanalytical Chemistry</i> , 1998, 453, 187-195. | 3.8 | 24 |
| 114 | Compositional analysis of organic-inorganic semiconductor composites. <i>Analyst, The</i> , 1998, 123, 113-116. | 3.5 | 20 |
| 115 | Photoelectrochromism in Chemically Modified Nickel-Titanium Dioxide Nanocomposite Films. <i>Chemistry of Materials</i> , 1998, 10, 25-26. | 6.7 | 14 |
| 116 | Photoelectrochemical Oxidation of Formate Ions on Nickel-Titanium Dioxide Nanocomposite Electrodes: An Unusually High Current Doubling Yields and Manifestation of a Site Proximity Effect. <i>Langmuir</i> , 1998, 14, 2933-2935. | 3.5 | 32 |
| 117 | Film Chemistry Control and Electrochemical Properties of Pulsed Plasma Polymerized Ferrocene and Vinylferrocene. <i>Langmuir</i> , 1997, 13, 5941-5950. | 3.5 | 38 |
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| 122 | Pulsed Plasma Polymerization of Tetramethyltin: Nanoscale Compositional Control of Film Chemistry. <i>Chemistry of Materials</i> , 1996, 8, 1067-1077. | 6.7 | 63 |
| 123 | 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. | 2.9 | 41 |
| 124 | Composites of polypyrrole and carbon black: Part III. Chemical synthesis and characterization. <i>Journal of Materials Research</i> , 1995, 10, 1811-1822. | 2.6 | 39 |
| 125 | Laboratory Experiments on Electrochemical Remediation of the Environment: Electrocoagulation of Oily Wastewater. <i>Journal of Chemical Education</i> , 1995, 72, 1050. | 2.3 | 42 |
| 126 | Bactericidal Activity of TiO ₂ Photocatalyst in Aqueous Media: Toward a Solar-Assisted Water Disinfection System. <i>Environmental Science & Technology</i> , 1994, 28, 934-938. | 10.0 | 481 |

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| 127 | Photoelectrochemistry and Raman spectroelectrochemistry of cuprous thiocyanate films on copper electrodes in acidic media. <i>Journal of Electroanalytical Chemistry</i> , 1993, 345, 135-146. | 3.8 | 31 |
| 128 | Reduction of Hexavalent Chromium in Aqueous Solutions by Polypyrrole. <i>Journal of the Electrochemical Society</i> , 1993, 140, L60-L62. | 2.9 | 81 |
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