Daniel Mandler

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.

291 papers	10,008 citations	56 h-index	83 g-index
312 ext. papers	11,142 ext. citations	6.5 avg, IF	6.56 L-index

#	Paper	IF	Citations
291	Size-Selective Detection of Nanoparticles in Solution and Air by Imprinting.. *ACS Sensors*, **2022**,	9.2	1
290	Understanding the Adhesion Mechanism of Hydroxyapatite-Binding Peptide.. *Langmuir*, **2022**,	4	3
289	Disentangling faradaic, pseudocapacitive, and capacitive charge storage: A tutorial for the characterization of batteries, supercapacitors, and hybrid systems. *Electrochimica Acta*, **2022**, 412, 140072	6.7	4
288	Electrochemistry of molecular imprinting of large entities. *Current Opinion in Electrochemistry*, **2022**, 34, 100967	7.2	0
287	Shell–Matrix Interaction in Nanoparticle-Imprinted Matrices: Implications for Selective Nanoparticle Detection and Separation. *ACS Applied Nano Materials*, **2021**, 4, 10819-10827	5.6	4
286	Hydrogel-integrated 3D-printed poly(lactic acid) scaffolds for bone tissue engineering. *Journal of Materials Research*, **2021**, 36, 3833	2.5	
285	Polyhedral oligomeric silsesquioxanes as protective monolayer coatings against the high-temperature corrosion of concentrating solar power absorber surfaces. *Solar Energy Materials and Solar Cells*, **2021**, 223, 110984	6.4	1
284	Ionosomes: Observation of Ionic Bilayer Water Clusters. *Journal of the American Chemical Society*, **2021**, 143, 7671-7680	16.4	4
283	Spin pinning effect to reconstructed oxyhydroxide layer on ferromagnetic oxides for enhanced water oxidation. *Nature Communications*, **2021**, 12, 3634	17.4	31
282	Novel Nd–Mo co-doped SnO2/WO3 electrochromic materials (ECs) for enhanced smart window performance. *Ceramics International*, **2021**, 47, 18433-18442	5.1	6
281	Interactions of Microorganisms with Lipid Langmuir Layers. *Langmuir*, **2021**, 37, 10340-10347	4	
280	Nd-Nb Co-doped SnO/WO Electrochromic Materials: Enhanced Stability and Switching Properties. *ACS Omega*, **2021**, 6, 26251-26261	3.9	4
279	Side by Side Battery Technologies with Lithium-Ion Based Batteries. *Advanced Energy Materials*, **2020**, 10, 2000089	21.8	64
278	Antifouling and antimicrobial coatings based on sol–gel films. *Journal of Sol-Gel Science and Technology*, **2020**, 95, 609-619	2.3	6
277	Electrodeposited Sulfur and CoS Electrocatalyst on Buckypaper as High-Performance Cathode for Li-S Batteries. *Nano-Micro Letters*, **2020**, 12, 141	19.5	10
276	Biocatalytic metal nanopatterning through enzyme-modified microelectrodes. *Journal of Solid State Electrochemistry*, **2020**, 24, 2985-2996	2.6	1
275	Electrochemical deposition of highly porous reduced graphene oxide electrodes for Li-ion capacitors. *Electrochimica Acta*, **2020**, 337, 135861	6.7	9

274	3D spongy nanofiber structure Fe-NC catalysts built by a graphene regulated electrospinning method. *Chemical Communications*, **2020**, 56, 6277-6280	5.8	7
273	Controllable Assembly of Hybrid Electrodes by Electrophoretic Deposition for High-Performance Battery–Supercapacitor Hybrid Devices. *ACS Applied Energy Materials*, **2020**, 3, 1784-1793	6.1	11
272	Overcoming the barrier of conventional electrochemical deposition of inorganic composites. *Chemical Communications*, **2020**, 56, 379-382	5.8	5
271	Electrochromic smart glass coating on functional nano-frameworks for effective building energy conservation. *Materials Today Energy*, **2020**, 18, 100496	7	13
270	Using nanomaterials as building blocks for electrochemical deposition: A mini review. *Electrochemistry Communications*, **2020**, 120, 106830	5.1	2
269	Fabrication of Self-Cleaning CNT-Based Near-Perfect Solar Absorber Coating for Non-Evacuated Concentrated Solar Power Applications. *Energy Technology*, **2020**, 8, 2000699	3.5	5
268	The future of electrochemical deposition: nanomaterial building blocks. *Journal of Solid State Electrochemistry*, **2020**, 24, 2133-2135	2.6	1
267	Electrochemical deposition of N-heterocyclic carbene monolayers on metal surfaces. *Nature Communications*, **2020**, 11, 5714	17.4	9
266	CNT-Based Solar Thermal Coatings: Absorptance vs. Emittance. *Coatings*, **2020**, 10, 1101	2.9	4
265	Formation of asymmetric membrane by deposition of a hybrid sol-gel sublayer on top of a Langmuir film skin. *Journal of Membrane Science*, **2020**, 595, 117559	9.6	2
264	ForSDAT: an automated platform for analyzing force spectroscopy measurements. *Analytical Methods*, **2019**, 11, 4709-4718	3.2	6
263	Switch of the Rate-Determining Step of Water Oxidation by Spin-Selected Electron Transfer in Spinel Oxides. *Chemistry of Materials*, **2019**, 31, 8106-8111	9.6	41
262	Ultrafine Ni(OH)2 nanoplatelets grown on 3D graphene hydrogel fabricated by electrochemical exfoliation for high-performance battery-type asymmetric supercapacitor applications. *Journal of Power Sources*, **2019**, 439, 227046	8.9	14
261	Efficient Near Infrared Modulation with High Visible Transparency Using SnO2–WO3 Nanostructure for Advanced Smart Windows. *Advanced Optical Materials*, **2019**, 7, 1801389	8.1	30
260	Hierarchical electrodes of NiCo2S4 nanosheets-anchored sulfur-doped Co3O4 nanoneedles with advanced performance for battery-supercapacitor hybrid devices. *Journal of Materials Chemistry A*, **2019**, 7, 3228-3237	13	137
259	Arsenic(III) detection in water by flow-through carbon nanotube membrane decorated by gold nanoparticles. *Electrochimica Acta*, **2019**, 318, 496-503	6.7	20
258	One-step fabrication of NiOx-decorated carbon nanotubes-NiCo2O4 as an advanced electroactive composite for supercapacitors. *Electrochimica Acta*, **2019**, 318, 51-60	6.7	11
257	Electrophoretic deposition of reduced graphene oxide thin films for reduction of cross-sectional heat diffusion in glass windows. *Journal of Science: Advanced Materials and Devices*, **2019**, 4, 252-259	4.2	8

256	Composition-Tailoring of ZnO-Hydroxyapatite Nanocomposite as Bioactive and Antibacterial Coating. *ACS Applied Nano Materials*, **2019**, 2, 2946-2957	5.6	22
255	Electrochromic Materials: Efficient Near Infrared Modulation with High Visible Transparency Using SnO2⊠WO3 Nanostructure for Advanced Smart Windows (Advanced Optical Materials 8/2019). *Advanced Optical Materials*, **2019**, 7, 1970031	8.1	1
254	Preparation of Biomass-Based Porous Carbons with High Specific Capacitance for Applications in Supercapacitors. *ChemElectroChem*, **2019**, 6, 3599-3605	4.3	21
253	Novel spinel nanocomposites of NixCo1⊠Fe2O4 nanoparticles with N-doped graphene for lithium ion batteries. *Applied Surface Science*, **2019**, 481, 200-208	6.7	11
252	Approaches for measuring the surface areas of metal oxide electrocatalysts for determining their intrinsic electrocatalytic activity. *Chemical Society Reviews*, **2019**, 48, 2518-2534	58.5	227
251	Electrochemical Triggered Dissolution of Hydroxyapatite/Doxorubicin Nanocarriers.. *ACS Applied Bio Materials*, **2019**, 2, 1956-1966	4.1	3
250	Effect of matrix-nanoparticle interactions on recognition of aryldiazonium nanoparticle-imprinted matrices. *Nano Research*, **2019**, 12, 265-271	10	4
249	Electrodeposition of amorphous WO3 on SnO2⊡iO2 inverse opal nano-framework for highly transparent, effective and stable electrochromic smart window. *RSC Advances*, **2019**, 9, 16730-16737	3.7	11
248	Additive-Free Electrophoretic Deposition of Graphene Quantum Dots Thin Films. *Chemistry - A European Journal*, **2019**, 25, 16573	4.8	7
247	Direct Electron Transfer between Glucose Oxidase and Gold Nanoparticles; When Size Matters. *ChemElectroChem*, **2019**, 6, 147-154	4.3	5
246	Adsorption and detection of organic pollutants by fixed bed carbon nanotube electrochemical membrane. *Chemical Engineering Journal*, **2019**, 359, 130-137	14.7	15
245	Manganese doped Co3O4 mesoporous nanoneedle array for long cycle-stable supercapacitors. *Applied Surface Science*, **2019**, 469, 941-950	6.7	79
244	Electrochemical Dynamics of a Single Platinum Nanoparticle Collision Event for the Hydrogen Evolution Reaction. *Angewandte Chemie*, **2018**, 130, 3522-3526	3.6	29
243	Electrochemical Dynamics of a Single Platinum Nanoparticle Collision Event for the Hydrogen Evolution Reaction. *Angewandte Chemie - International Edition*, **2018**, 57, 3464-3468	16.4	45
242	Free-Standing Hybrid Graphene Paper Encapsulating Nanostructures for High Cycle-Life Supercapacitors. *ChemSusChem*, **2018**, 11, 907-915	8.3	12
241	SP1 based self-assembled selective molecular nanochannels. *Journal of Electroanalytical Chemistry*, **2018**, 819, 220-225	4.1	1
240	Selective Binding and Precipitation of Cesium Ions from Aqueous Solutions: A Size-Driven Supramolecular Reaction. *Chemistry - A European Journal*, **2018**, 24, 3161-3164	4.8	12
239	Atomically resolved calcium phosphate coating on a gold substrate. *Nanoscale*, **2018**, 10, 8451-8458	7.7	3

238	Chiral self-assembled monolayers in electrochemistry. *Current Opinion in Electrochemistry*, **2018**, 7, 42-47	7.2	16
237	Index-tunable anti-reflection coatings: Maximizing solar modulation ability for vanadium dioxide-based smart thermochromic glazing. *Journal of Alloys and Compounds*, **2018**, 731, 1197-1207	5.7	36
236	TiO2WO3 coreShell inverse opal structure with enhanced electrochromic performance in NIR region. *Journal of Materials Chemistry C*, **2018**, 6, 8488-8494	7.1	25
235	Electrochemical Deposition of Sol-Gel Films **2018**, 531-568		1
234	The synergistic effect of benzotriazole and trimethylsiloxysilicate towards corrosion protection of printed Cu-based electronics. *Corrosion Science*, **2018**, 143, 329-336	6.8	16
233	Electrochemical detection of dopamine by a calixarene-cellulose acetate mixed Langmuir-Blodgett monolayer. *Analytica Chimica Acta*, **2018**, 1042, 29-36	6.6	7
232	A high-performance electrochemical sensor based on g-C3N4-E-PEDOT for the determination of acetaminophen. *Electrochimica Acta*, **2018**, 259, 994-1003	6.7	55
231	The role of hydrophobic, aromatic and electrostatic interactions between amino acid residues and a titanium dioxide surface. *Physical Chemistry Chemical Physics*, **2018**, 20, 29811-29816	3.6	9
230	Electrochemically Deposited SolGel Based Nanoparticle-Imprinted Matrices for the Size-Selective Detection of Gold Nanoparticles. *ACS Applied Nano Materials*, **2018**, 1, 5612-5619	5.6	5
229	Peptide-Based Approaches to Fight Biofouling. *Advanced Materials Interfaces*, **2018**, 5, 1800073	4.6	52
228	Control of Crystal Growth in Local Electroless Gold Deposition by Pyridinium Based Surfactants. *Crystal Growth and Design*, **2018**, 18, 3913-3920	3.5	3
227	Core-shell nanoparticles for gas phase detection based on silver nanospheres coated with a thin molecularly imprinted polymer adsorbed on a chemiresistor. *Nanoscale*, **2018**, 10, 17593-17602	7.7	6
226	Label-free femtomolar cancer biomarker detection in human serum using graphene-coated surface plasmon resonance chips. *Biosensors and Bioelectronics*, **2017**, 89, 606-611	11.8	73
225	Quickly Manufactured, Drug Eluting, Calcium Phosphate Composite Coating. *ChemistrySelect*, **2017**, 2, 753-758	1.8	4
224	Nanosphere molecularly imprinted polymers doped with gold nanoparticles for high selectivity molecular sensors. *Nano Research*, **2017**, 10, 1056-1063	10	29
223	Nonselective Coatings for Solar Thermal Applications in CSP **2017**, 207-230		
222	Ionic strength induced electrodeposition of two-dimensional layered MoS2 nanosheets. *Applied Materials Today*, **2017**, 8, 44-53	6.6	24
221	Electrochemically stimulated drug release from flexible electrodes coated electrophoretically with doxorubicin loaded reduced graphene oxide. *Chemical Communications*, **2017**, 53, 4022-4025	5.8	33

220	Scanning Electrochemical Microscopy versus Scanning Ion Conductance Microscopy for Surface Patterning. *ChemElectroChem*, **2017**, 4, 2981-2988	4.3	6
219	Highly Selective Solar Thermal Sprayable Coating Based on Carbon Nanotubes. *Solar Rrl*, **2017**, 1, 1700080	7.1	10
218	Synthesis, coating, and drug-release of hydroxyapatite nanoparticles loaded with antibiotics. *Journal of Materials Chemistry B*, **2017**, 5, 7819-7830	7.3	56
217	Electrochemical Approach for Effective Antifouling and Antimicrobial Surfaces. *ACS Applied Materials & Interfaces*, **2017**, 9, 26503-26509	9.5	25
216	Localized Charge Transfer in Two-Dimensional Molybdenum Trioxide. *ACS Applied Materials & Interfaces*, **2017**, 9, 27045-27053	9.5	7
215	Ionic strength induced electrodeposition: a universal approach for nanomaterial deposition at selective areas. *Nanoscale*, **2017**, 9, 485-490	7.7	27
214	Detection of folic acid protein in human serum using reduced graphene oxide electrodes modified by folic-acid. *Biosensors and Bioelectronics*, **2016**, 75, 389-95	11.8	43
213	Revealing the role of catechol moieties in the interactions between peptides and inorganic surfaces. *Nanoscale*, **2016**, 8, 15309-16	7.7	31
212	Electrochemically Driven Hydroxyapatite Nanoparticles Coating of Medical Implants. *Advanced Functional Materials*, **2016**, 26, 8003-8010	15.6	39
211	Periodic micro-patterned VO2 thermochromic films by mesh printing. *Journal of Materials Chemistry C*, **2016**, 4, 8385-8391	7.1	52
210	Carbon Nanotube Based Flow-Through Electrochemical Cell for Electroanalysis. *Analytical Chemistry*, **2016**, 88, 11007-11015	7.8	9
209	In Situ Potentiostatic Deposition of Calcium Phosphate with Gentamicin-Loaded Chitosan Nanoparticles on Titanium Alloy Surfaces. *Electrochimica Acta*, **2016**, 222, 355-360	6.7	17
208	Electro-Assisted Deposition of Calcium Phosphate on Self-Assembled Monolayers. *Electrochimica Acta*, **2016**, 206, 400-408	6.7	10
207	Effect of Decorating Titanium with Different Self-Assembled Monolayers on the Electrodeposition of Calcium Phosphate. *Crystal Growth and Design*, **2016**, 16, 2756-2764	3.5	14
206	Facile preparation of aqueous suspensions of WO3/sulfonated PEDOT hybrid nanoparticles for electrochromic applications. *Chemical Communications*, **2016**, 52, 9379-82	5.8	23
205	Bio-inspired antifouling approaches: the quest towards non-toxic and non-biocidal materials. *Current Opinion in Biotechnology*, **2016**, 39, 48-55	11.4	86
204	Effect of Self-Assembled Monolayers on the Locally Electrodeposited Silver Thin Layers. *Journal of Physical Chemistry C*, **2016**, 120, 15608-15617	3.8	6
203	Molecularly imprinted polymer particles: Formation, characterization and application. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 495, 11-19	5.1	24

202	Speciation of nanoscale objects by nanoparticle imprinted matrices. *Nanoscale*, **2016**, 8, 13934-43	7.7	7
201	A novel approach for oxidation analysis of therapeutic proteins. *Analytical Biochemistry*, **2016**, 494, 108-113	3.1	3
200	Electrochemical Deposition of Sol□el Films **2016**, 1-38		
199	Formation and performance of highly absorbing solar thermal coating based on carbon nanotubes and boehmite. *Energy Conversion and Management*, **2016**, 120, 287-293	10.6	25
198	Nanoparticle-Imprinted Matrices as Sensing Layers for Size-Selective Recognition of Silver Nanoparticles. *ChemElectroChem*, **2016**, 3, 2116-2124	4.3	6
197	Novel felt pseudocapacitor based on carbon nanotube/metal oxides. *Journal of Materials Science*, **2015**, 50, 6578-6585	4.3	7
196	Electrochemically triggered release of human insulin from an insulin-impregnated reduced graphene oxide modified electrode. *Chemical Communications*, **2015**, 51, 14167-70	5.8	24
195	Electrochemical detection of low concentrations of mercury in water using gold nanoparticles. *Analytical Chemistry*, **2015**, 87, 5148-55	7.8	89
194	Multienzyme Inkjet Printed 2D Arrays. *ACS Applied Materials & Interfaces*, **2015**, 7, 17985-92	9.5	21
193	Electrochemical determination of low levels of uranyl by a vibrating gold microelectrode. *Analytical Chemistry*, **2015**, 87, 768-76	7.8	35
192	Electrochemical co-deposition of sol□gel/carbon nanotube composite thin films for antireflection and non-linear optics. *Journal of Materials Chemistry C*, **2015**, 3, 1099-1105	7.1	11
191	Sol□el Coatings by Electrochemical Deposition **2015**, 373-414		5
190	Fabrication of Carbon Nanotube/Indium Tin Oxide □nverse Tandem□Absorbing Coatings with Tunable Spectral Selectivity for Solar□hermal Applications. *Energy Technology*, **2015**, 3, 1045-1050	3.5	10
189	Nanoparticle-Imprinted Polymers: Shell-Selective Recognition of Au Nanoparticles by Imprinting Using the Langmuir□lodgett Method. *ChemElectroChem*, **2015**, 2, 795-802	4.3	16
188	Layer-by-Layer Assembly of PEDOT:PSS and WO3 Nanoparticles: Enhanced Electrochromic Coloration Efficiency and Mechanism Studies by Scanning Electrochemical Microscopy. *Electrochimica Acta*, **2015**, 174, 57-65	6.7	67
187	Elucidating the mechanism of interaction between peptides and inorganic surfaces. *Physical Chemistry Chemical Physics*, **2015**, 17, 15305-15	3.6	29
186	Nanoparticle-Imprinted Polymers: Shell-Selective Recognition of Au Nanoparticles by Imprinting Using the Langmuir□lodgett Method. *ChemElectroChem*, **2015**, 2, 771-771	4.3	
185	Important Implications of the Electrochemical Reduction of ITO. *Electrochimica Acta*, **2015**, 176, 1374-1381	6.7	41

184	One-pot sequential electrochemical deposition of multilayer poly(3,4-ethylenedioxythiophene):poly(4-styrenesulfonic acid)/tungsten trioxide hybrid films and their enhanced electrochromic properties. *Journal of Materials Chemistry A*, **2014**, 2, 2708-2717	13	64
183	Nanostructured electrochromic films by inkjet printing on large area and flexible transparent silver electrodes. *Nanoscale*, **2014**, 6, 4572-6	7.7	102
182	Nanoparticle-imprinted polymers for size-selective recognition of nanoparticles. *Angewandte Chemie - International Edition*, **2014**, 53, 294-8	16.4	28
181	Perpendicular Orientation of Anisotropic Au-Tipped CdS Nanorods at the Air/Water Interface. *Advanced Materials Interfaces*, **2014**, 1, 1300030	4.6	8
180	In situ electrodeposition of an asymmetric sol-gel membrane based on an octadecyltrimethoxysilane Langmuir film. *Chemistry - A European Journal*, **2014**, 20, 12104-13	4.8	4
179	Amplified detection of femtomolar DNA based on a one-to-few recognition reaction between DNA-Au conjugate and target DNA. *Nanoscale*, **2014**, 6, 3110-5	7.7	22
178	Self-assembly of a tripeptide into a functional coating that resists fouling. *Chemical Communications*, **2014**, 50, 11154-7	5.8	56
177	Preparation and characterization of alkylphosphonic acid self-assembled monolayers on titanium alloy by chemisorption and electrochemical deposition. *Langmuir*, **2014**, 30, 6791-9	4	41
176	Patterning carbon nanotubes with silane by scanning electrochemical microscopy. *Electrochemistry Communications*, **2014**, 48, 56-60	5.1	4
175	Nano to nano electrodeposition of WO3 crystalline nanoparticles for electrochromic coatings. *Journal of Materials Chemistry A*, **2014**, 2, 16224-16229	13	67
174	Nanopartikul geprgte Polymere f die grenselektive Erkennung von Nanopartikeln. *Angewandte Chemie*, **2014**, 126, 300-304	3.6	6
173	A novel non-selective coating material for solar thermal potential application formed by reaction between sol gel titania and copper manganese spinel. *Solar Energy Materials and Solar Cells*, **2014**, 120, 23-29	6.4	25
172	Electrochemically "writing" graphene from graphene oxide. *Small*, **2014**, 10, 3555-9	11	24
171	Europium Doped Vanadium Dioxide Material: Reduced Phase Transition Temperature, Enhanced Luminous Transmittance and Solar Modulation. *Science of Advanced Materials*, **2014**, 6, 558-561	2.3	57
170	Probing the interaction of individual amino acids with inorganic surfaces using atomic force spectroscopy. *Langmuir*, **2013**, 29, 10102-9	4	43
169	Electro-assist deposition of binary sol gel films with graded structure. *Electrochimica Acta*, **2013**, 102, 212-218	6.7	13
168	The synthesis and characterization of thiol-based aryl diazonium modified glassy carbon electrode for the voltammetric determination of low levels of Hg(II). *Journal of Solid State Electrochemistry*, **2013**, 17, 1543-1552	2.6	11
167	Local surface patterning by chitosan-stabilized gold nanoparticles using the direct mode of scanning electrochemical microscopy (SECM). *Journal of Solid State Electrochemistry*, **2013**, 17, 2989-2997	2.6	11

166	Enhanced potentiometry by metallic nanoparticles. *Analytical Chemistry*, **2013**, 85, 8347-53	7.8	22
165	High switching speed and coloration efficiency of titanium-doped vanadium oxide thin film electrochromic devices. *Journal of Materials Chemistry C*, **2013**, 1, 7380	7.1	44
164	A novel approach to fingerprint visualization on paper using nanotechnology: reversing the appearance by tailoring the gold nanoparticles' capping ligands. *Chemical Communications*, **2013**, 49, 3688-90	5.8	25
163	Formation of VO2 zero-dimensional/nanoporous layers with large supercooling effects and enhanced thermochromic properties. *RSC Advances*, **2013**, 3, 7124	3.7	41
162	A New Electrochemical Flow Cell for the Remote Sensing of Heavy Metals. *Electroanalysis*, **2013**, 25, 109-115	3	8
161	Local deposition of anisotropic nanoparticles using scanning electrochemical microscopy (SECM). *Physical Chemistry Chemical Physics*, **2013**, 15, 2725-32	3.6	23
160	Simple sol–gel process and one-step annealing of vanadium dioxide thin films: Synthesis and thermochromic properties. *Thin Solid Films*, **2013**, 534, 594-598	2.2	62
159	Biomolecular AND logic gate based on immobilized enzymes with precise spatial separation controlled by scanning electrochemical microscopy. *Journal of Physical Chemistry B*, **2013**, 117, 16058-65	3.4	13
158	Electrochemical co-deposition of conductive polymer-silica hybrid thin films. *Physical Chemistry Chemical Physics*, **2013**, 15, 10876-84	3.6	27
157	Wet-chemistry based selective coatings for concentrating solar power **2013**,		1
156	Self-assembled polymer layers of linear polyethylenimine for enhancing electrochromic cycling stability. *Journal of Materials Chemistry C*, **2013**, 1, 3651	7.1	14
155	Fabrication of nanoelectrode ensembles by electrodepositon of Au nanoparticles on single-layer graphene oxide sheets. *Nanoscale*, **2012**, 4, 2728-33	7.7	72
154	Visualization of Latent Fingermarks by Nanotechnology: Reversed Development on Paper—A Remedy to the Variation in Sweat Composition. *Angewandte Chemie*, **2012**, 124, 12390-12393	3.6	8
153	Visualization of latent fingermarks by nanotechnology: reversed development on paper--a remedy to the variation in sweat composition. *Angewandte Chemie - International Edition*, **2012**, 51, 12224-7	16.4	69
152	Electrochemically controlled drug-mimicking protein release from iron-alginate thin-films associated with an electrode. *ACS Applied Materials & Interfaces*, **2012**, 4, 466-75	9.5	117
151	Electrochemically patterning sol-gel structures on conducting and insulating surfaces. *Chemical Communications*, **2011**, 47, 6909-11	5.8	37
150	Preparation and characterization of mono- and multilayer films of polymerizable 1,2-polybutadiene using the Langmuir-Blodgett technique. *Langmuir*, **2011**, 27, 11889-98	4	14
149	Deposition of Au and Ag nanoparticles on PEDOT. *Physical Chemistry Chemical Physics*, **2011**, 13, 20345-53	3.6	14

148	Improving the adhesion of polymethacrylate thin films onto indium tin oxide electrodes using a silane-based Molecular Adhesive. *Journal of Solid State Electrochemistry*, **2011**, 15, 2401-2407	2.6	2
147	Self-assembled monolayers (SAMs) for electrochemical sensing. *Journal of Solid State Electrochemistry*, **2011**, 15, 1535-1558	2.6	117
146	Electrochemically assisted deposition of biodegradable polymer nanoparticles/sol-gel thin films. *Journal of Materials Chemistry*, **2011**, 21, 12145		10
145	Symmetrical thiol functionalized polyhedral oligomeric silsesquioxanes as building blocks for LB films. *Soft Matter*, **2011**, 7, 8862	3.6	20
144	Determination of low levels of cadmium ions by the under potential deposition on a self-assembled monolayer on gold electrode. *Analytica Chimica Acta*, **2011**, 684, 1-7	6.6	20
143	Studying the localized deposition of Ag nanoparticles on self-assembled monolayers by scanning electrochemical microscopy (SECM). *Electrochimica Acta*, **2011**, 56, 6954-6961	6.7	21
142	Electrochemical Coating of Medical Implants. *Modern Aspects of Electrochemistry*, **2011**, 291-342		2
141	Thin nanocomposite films of polyaniline/Au nanoparticles by the Langmuir-Blodgett technique. *Langmuir*, **2010**, 26, 4239-45	4	28
140	Electrochemical Codeposition of Thin Gold Nanoparticles/Sol-Gel Nanocomposite Films. *Chemistry of Materials*, **2010**, 22, 3943-3951	9.6	56
139	Nanometric thin polymeric films based on molecularly imprinted technology: towards electrochemical sensing applications. *Physical Chemistry Chemical Physics*, **2010**, 12, 11041-50	3.6	9
138	Electrochemical codeposition of sol-gel films on stainless steel: controlling the chemical and physical coating properties of biomedical implants. *Physical Chemistry Chemical Physics*, **2010**, 12, 15265-73	3.6	13
137	Formation, Characterization, and Applications of Organic and Inorganic Nanometric Films. *Israel Journal of Chemistry*, **2010**, 50, 306-311	3.4	6
136	ISRANALYTICA 2010, Tel Aviv, Israel, January 19-20, 2010. *Israel Journal of Chemistry*, **2010**, 50, 262-264	3.4	
135	Exciting New Directions in Electrochemistry: Honoring 2008 Wolf Prize Recipient Allen J. Bard. *Israel Journal of Chemistry*, **2010**, 50, 249-251	3.4	
134	Preparation and comparison between different thiol-protected Au nanoparticles. *Journal of Nanoparticle Research*, **2010**, 12, 1807-1811	2.3	9
133	Localized deposition of Au nanoparticles by direct electron transfer through cellobiose dehydrogenase. *Chemistry - A European Journal*, **2010**, 16, 11697-706	4.8	23
132	Thin functionalized films on cylindrical microelectrodes for electrochemical determination of Hg(II). *Journal of Electroanalytical Chemistry*, **2010**, 649, 153-158	4.1	14
131	Selective complexation between a novel bowl-shaped molecule and Fe3+ or ions. *Inorganica Chimica Acta*, **2010**, 363, 2677-2681	2.7	1

130	Potential induced pH change: Towards electrochemical coating of medical implants by organic nanoparticles. *Electrochimica Acta*, **2010**, 55, 8590-8594	6.7	9
129	Pattern recognition in oxides thin-film electrodeposition: Printed circuits. *Comptes Rendus Chimie*, **2010**, 13, 237-241	2.7	17
128	Electrochemically deposited poly(ethylene glycol)-based sol□gel thin films on stainless steel stents. *New Journal of Chemistry*, **2009**, 33, 1596	3.6	23
127	Monitoring Heavy Metals in Seawater by Their Electrochemically Induced Deposition as Hydroxides. *Electroanalysis*, **2009**, 21, 368-378	3	
126	Electrocoating of stainless steel coronary stents for extended release of paclitaxel. *Journal of Biomedical Materials Research - Part A*, **2009**, 88, 427-36	5.4	11
125	Evaluation of drug-eluting stents' coating durability--clinical and regulatory implications. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2009**, 91, 441-51	3.5	42
124	Drug-eluting stent with improved durability and controllability properties, obtained via electrocoated adhesive promotion layer. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2009**, 91, 819-30	3.5	22
123	Control of locally deposited gold nanoparticle on polyaniline films. *Electrochimica Acta*, **2009**, 54, 2951-2956	3.7	27
122	Poly(methyl methacrylate) grafting onto stainless steel surfaces: application to drug-eluting stents. *ACS Applied Materials & Interfaces*, **2009**, 1, 2519-28	9.5	43
121	Electrochemical determination of uranyl ions using a self-assembled monolayer. *Analytical Chemistry*, **2009**, 81, 8627-31	7.8	37
120	A new approach for measuring the redox state and redox capacity in milk. *Analytical Methods*, **2009**, 1, 93-99	3.2	16
119	Polyaniline Langmuir-Blodgett films: formation and properties. *Physical Chemistry Chemical Physics*, **2009**, 11, 3490-6	3.6	25
118	Electropolymerized tricopolymer based on N-pyrrole derivatives as a primer coating for improving the performance of a drug-eluting stent. *ACS Applied Materials & Interfaces*, **2009**, 1, 758-67	9.5	25
117	Electrochemical Co-deposition of Sol□el/Metal Thin Nanocomposite Films. *Chemistry of Materials*, **2008**, 20, 4276-4283	9.6	55
116	Deposition of Gold Nanoparticles on Thin Polyaniline Films. *Israel Journal of Chemistry*, **2008**, 48, 349-357	3.4	8
115	Studying the Reactions of CdTe Nanostructures and Thin CdTe Films with Ag+ and AuCl4□*Journal of Physical Chemistry C*, **2008**, 112, 8881-8889	3.8	34
114	Scanning Electrochemical Imprinting Microscopy: A Tool for Surface Patterning. *Journal of the Electrochemical Society*, **2008**, 155, D203	3.9	27
113	Localized Electroless Deposition of Gold Nanoparticles Using Scanning Electrochemical Microscopy. *Journal of the Electrochemical Society*, **2008**, 155, D459	3.9	30

112	Detection of uranium(VI) in aqueous solution by a calix[6]arene modified electrode. *Journal of Electroanalytical Chemistry*, **2008**, 621, 214-221	4.1	43
111	Why is copper locally etched by scanning electrochemical microscopy?. *Journal of Electroanalytical Chemistry*, **2008**, 622, 115-120	4.1	23
110	Corrosion inhibition of magnesium by combined zirconia silica sol–gel films. *Electrochimica Acta*, **2008**, 53, 5118-5127	6.7	57
109	Electrochemical detection of Cd2+ ions by a self-assembled monolayer of 1,9-nonanedithiol on gold. *Electrochimica Acta*, **2008**, 53, 6753-6758	6.7	14
108	A novel electrochemically synthesized biodegradable thin film of polypyrrole–polyethyleneglycol–polylactic acid nanoparticles. *New Journal of Chemistry*, **2007**, 31, 163-168	3.6	12
107	Application of nanoparticles for the enhancement of latent fingerprints. *Chemical Communications*, **2007**, 1142-4	5.8	121
106	Preparation, characterization and applications of ultrathin cellulose acetate Langmuir-Blodgett films. *Soft Matter*, **2007**, 3, 1053-1063	3.6	16
105	Electrochemical formation and characterization of copolymers based on N-pyrrole derivatives. *Biomacromolecules*, **2007**, 8, 2928-35	6.9	13
104	Formation of a Molecular Glue Based on the Electrochemical Reduction of 4-Hydroxyphenyldiazonium for the Attachment of Thin Sol–Gel Film on Glassy Carbon. *Zeitschrift Fur Physikalische Chemie*, **2007**, 221, 1237-1243	3.1	
103	Electrostatic attachment of gold and poly(lactic acid) nanoparticles onto omega-aminoalkanoic acid self-assembled monolayers on 316L stainless steel. *Chemistry - A European Journal*, **2007**, 13, 6402-7	4.8	8
102	Preparation and characterization of ultra-thin sol–gel films. *Thin Solid Films*, **2007**, 515, 4624-4628	2.2	16
101	Self-assembled monolayers on Au microelectrodes. *Electrochemistry Communications*, **2007**, 9, 2827-2832	5.1	19
100	Electrocoating of stainless steel coronary stents for extended release of Paclitaxel. *Materials Science and Engineering C*, **2007**, 27, 510-513	8.3	14
99	Structural insight on organosilica electrodes for waste-free alcohol oxidations. *Catalysis Letters*, **2007**, 114, 55-58	2.8	5
98	The effect of surface attachment on ligand binding: studying the association of Mg2+, Ca2+ and Sr2+ by 1-thioglycerol and 1,4-dithiothreitol monolayers. *Physical Chemistry Chemical Physics*, **2006**, 8, 158-64	3.6	22
97	Studying electron transfer through alkanethiol self-assembled monolayers on a hanging mercury drop electrode using potentiometric measurements. *Physical Chemistry Chemical Physics*, **2006**, 8, 4405-9	3.6	15
96	Complexation of ferrous and cupric ions by phenanthroline and terpyridine langmuir films. *Langmuir*, **2006**, 22, 7462-4	4	9
95	n-Alkanoic acid monolayers on 316L stainless steel promote the adhesion of electropolymerized polypyrrole films. *Langmuir*, **2006**, 22, 5237-40	4	27

94	Characterization of n-alkanethiol self-assembled monolayers on mercury by impedance spectroscopy and potentiometric measurements. *Journal of Electroanalytical Chemistry*, **2006**, 593, 227-240	4.1	29
93	Daniel Mandler, Hebrew University of Jerusalem. *Analyst, The*, **2005**, 130, 131-3	5	
92	Theory of scanning electrochemical microscopy (SECM) as a probe of surface conductivity. *Physical Chemistry Chemical Physics*, **2005**, 7, 356-365	3.6	52
91	Scanning electrochemical microscopy as a probe of Ag+ binding kinetics at Langmuir phospholipid monolayers. *Physical Chemistry Chemical Physics*, **2005**, 7, 2955-64	3.6	16
90	Identification of firearms handling by the [Fe(PDT)(3)](2+) complex: Chemical and time-dependent factors. *Talanta*, **2005**, 67, 328-33	6.2	9
89	Exciting new directions in the intersection of functionalized sol□gel materials with electrochemistry. *Journal of Materials Chemistry*, **2005**, 15, 3663		250
88	Studying the binding of Cd2+ by □mercaptoalkanoic acid self assembled monolayers by cyclic voltammetry and scanning electrochemical microscopy (SECM). *Journal of Electroanalytical Chemistry*, **2005**, 581, 310-319	4.1	23
87	Chiral electrochemical recognition by very thin molecularly imprinted sol-gel films. *Langmuir*, **2005**, 21, 7842-7	4	90
86	Improved Resolution of Local Metal Deposition by Means of Constant Distance Mode Scanning Electrochemical Microscopy. *Electroanalysis*, **2005**, 17, 538-542	3	24
85	Electrodeposition of Dye-Doped Titania Thin Films. *Journal of Sol-Gel Science and Technology*, **2004**, 31, 329-334	2.3	42
84	Parathion Sensor Based on Molecularly Imprinted Sol□el Films. *Analytical Chemistry*, **2004**, 76, 120-126	7.8	194
83	Pyrrole derivatives for electrochemical coating of metallic medical devices. *Journal of Polymer Science Part A*, **2004**, 42, 1658-1667	2.5	26
82	Determination of the heterogeneous association constants of metal ions to omega-mercaptoalkanoic acids by using double-layer capacity measurements. *ChemPhysChem*, **2004**, 5, 1532-9	3.2	10
81	Electrochemically induced sol-gel deposition of zirconia thin films. *Chemistry - A European Journal*, **2004**, 10, 1936-43	4.8	57
80	Interfacial polymerisation of anilinium at Langmuir monolayers. *Chemical Communications*, **2004**, 450-1	5.8	9
79	Local Cobalt Electrodeposition Using the Scanning Electrochemical Microscope. *Electrochemical and Solid-State Letters*, **2004**, 7, C71		26
78	Binding of Cd2+ to self-assembled bilayers bearing pyridine terminal groups: attenuated total reflection Fourier transform infrared spectroscopic studies. *Langmuir*, **2004**, 20, 4498-502	4	9
77	Preparation and characterization of n-alkanoic acid self-assembled monolayers adsorbed on 316L stainless steel. *Langmuir*, **2004**, 20, 7499-506	4	71

76	Anion embedded sol–gel films on Al for corrosion protection. *Corrosion Science*, **2004**, 46, 2975-2985	6.8	56
75	Application of Sol-Gel Technology for Electroanalytical Sensing. *Electroanalysis*, **2003**, 15, 398-408	3	52
74	Studying thiol adsorption on Au, Ag and Hg surfaces by potentiometric measurements. *Journal of Electroanalytical Chemistry*, **2003**, 550-551, 267-276	4.1	58
73	Measurement of Lateral Charge Propagation in Polyaniline Layers with the Scanning Electrochemical Microscope. *Journal of Physical Chemistry B*, **2003**, 107, 407-410	3.4	66
72	Effect of surface pressure on the insulator to metal transition of a langmuir polyaniline monolayer. *Journal of the American Chemical Society*, **2003**, 125, 9312-3	16.4	55
71	Electrodeposition of sol–gel films on Al for corrosion protection. *Corrosion Science*, **2003**, 45, 2893-2904	6.8	150
70	Studying electron transfer at electrochromic tungsten oxide sol–gel films with scanning electrochemical microscopy (SECM). *Physical Chemistry Chemical Physics*, **2003**, 5, 3212-3219	3.6	16
69	Surface functionalization of H-terminated silicon surfaces with alcohols using Iodoform as an in situ iodinating agent. *ChemPhysChem*, **2002**, 3, 973-5	3.2	11
68	A new approach to micropatterning: application of potential-assisted ion transfer at the liquid-liquid interface for the local metal deposition. *Journal of the American Chemical Society*, **2002**, 124, 5618-9	16.4	53
67	In Situ FTIR-ATR Studies of Functionalized Self-Assembled Bilayer Interactions with Metal Ions in Aqueous Solutions. *Langmuir*, **2002**, 18, 6976-6980	4	20
66	On-Line Analysis of Mercury by Sequential Injection Stripping Analysis (SISA) Using a Chemically Modified Electrode. *Electroanalysis*, **2001**, 13, 79-82	3	15
65	Comparing Different Approaches for Assembling Selective Electrodes for Heavy Metals. *Electroanalysis*, **2001**, 13, 653-659	3	19
64	Preparation and characterization of octadecylsilane monolayers on indium–tin oxide (ITO) surfaces. *Journal of Electroanalytical Chemistry*, **2001**, 500, 453-460	4.1	62
63	Local Deposition of Gold on Silicon by the Scanning Electrochemical Microscope. *Journal of the Electrochemical Society*, **2001**, 148, C533	3.9	35
62	Disorganised self-assembled monolayers (SAMs): the incorporation of amphiphilic molecules. *Analyst, The*, **2001**, 126, 1850-6	5	27
61	Polyaniline Monolayer Self-Assembled on Hydroxyl-Terminated Surfaces. *Langmuir*, **2001**, 17, 2556-2559	4	58
60	Imaging of Diaphorase Micropatterned at Gold Arrays with Scanning Electrochemical Microscopy. *Chemistry Letters*, **2000**, 29, 458-459	1.7	6
59	Writing–Reading–Erasing on Tungsten Oxide Films Using the Scanning Electrochemical Microscope. *Advanced Materials*, **2000**, 12, 330-333	24	95

58	The effect of an alkylsilane monolayer on an indium?tin oxide surface on the electrochemistry of hexacyanoferrate. *Journal of Electroanalytical Chemistry*, **2000**, 484, 194-202	4.1	49
57	Electrochemistry and structure of the isomers of aminothiophenol adsorbed on gold. *Journal of Electroanalytical Chemistry*, **2000**, 491, 55-68	4.1	52
56	Probing the Coupling of Charge-Transfer Processes Across Liquid/Liquid Interfaces by the Scanning Electrochemical Microscope. *Journal of Physical Chemistry B*, **2000**, 104, 4903-4910	3.4	25
55	Patterning and characterization of surfaces with organic and biological molecules by the scanning electrochemical microscope. *Analytical Chemistry*, **2000**, 72, 3431-5	7.8	75
54	Scanning electrochemical microscopy. Theory of the feedback mode for hemispherical ultramicroelectrodes: steady-state and transient behavior. *Analytical Chemistry*, **2000**, 72, 2383-90	7.8	63
53	Comprehensive treatment of sphere-cap microelectrodes (SCMs) using digital simulations. *Electrochemistry Communications*, **1999**, 1, 569-575	5.1	12
52	Thiol self-assembled monolayers on mercury surfaces: the adsorption and electrochemistry of ω-mercaptoalkanoic acids. *Electrochimica Acta*, **1999**, 45, 537-548	6.7	41
51	Electrodeposition of Methylated Sol-Gel Films on Conducting Surfaces. *Advanced Materials*, **1999**, 11, 384-388	24	234
50	Electroless Deposition of Conducting Polymers Using the Scanning Electrochemical Microscope. *Advanced Materials*, **1999**, 11, 1221-1226	24	29
49	Studying Heterogeneous Catalysis by the Scanning Electrochemical Microscope (SECM): The Reduction of Protons by Methyl Viologen Catalyzed by a Platinum Surface *Journal of Physical Chemistry B*, **1999**, 103, 1509-1517	3.4	44
48	Electrodeposition of Methylated Sol-Gel Films on Conducting Surfaces **1999**, 11, 384		2
47	The Dynamic Redox Chemistry of Iron in the Epilimnion of Lake Kinneret (Sea of Galilee). *Geochimica Et Cosmochimica Acta*, **1998**, 62, 565-576	5.5	24
46	Two-Dimensional Polyaniline Thin Film Electrodeposited on a Self-Assembled Monolayer. *Journal of the American Chemical Society*, **1998**, 120, 10733-10742	16.4	64
45	Visualization of Sebaceous Fingerprints on Fired Cartridge Cases: A Laboratory Study. *Journal of Forensic Sciences*, **1998**, 43, 16180J	1.8	42
44	Characterization and Electroanalytical Application of ω-Mercaptoalkanesulfonic Acid Monolayers on Gold. *Israel Journal of Chemistry*, **1997**, 37, 225-233	3.4	18
43	Anodic oxidation of Au(111). *Canadian Journal of Chemistry*, **1997**, 75, 1703-1709	0.9	35
42	Selective Determination of Cr(VI) by a Self-Assembled Monolayer-Based Electrode. *Analytical Chemistry*, **1997**, 69, 894-7	7.8	201
41	Development of Latent Fingerprints on Unfired Cartridges by Palladium Deposition: A Surface Study. *Journal of Forensic Sciences*, **1997**, 42, 14249J	1.8	32

40	Scanning Tunneling Microscopy Study of l-Cysteine on Au(111). *Langmuir*, **1996**, 12, 2849-2852	4	92
39	Applications of self-assembled monolayers in electroanalytical chemistry. *Electroanalysis*, **1996**, 8, 207-213	3	180
38	A novel approach for studying charge transfer across an interface of two immiscible solutions using the scanning electrochemical microscope (SECM). *Journal of Electroanalytical Chemistry*, **1996**, 409, 15-17	4.1	18
37	Self-assembled monolayers on mercury surfaces. *Journal of Electroanalytical Chemistry*, **1996**, 409, 131-136	4.1	64
36	Microelectrochemistry on Surfaces with the Scanning Electrochemical Microscope (SECM). *Israel Journal of Chemistry*, **1996**, 36, 73-80	3.4	20
35	Chiral Self-Assembled Monolayers. *Journal of the American Chemical Society*, **1995**, 117, 1147-1148	16.4	38
34	Study of silicon etching in HBr solutions using a scanning electrochemical microscope. *Journal of the Chemical Society, Faraday Transactions*, **1995**, 91, 1019		57
33	Microwriting of Gold Patterns with the Scanning Electrochemical Microscope. *Journal of the Electrochemical Society*, **1995**, 142, L82-L84	3.9	70
32	Electrochemical study of the Cd(II)/Cd(Hg) system in 2-mercaptoacetic acid solutions. *Electrochimica Acta*, **1995**, 40, 1093-1100	6.7	7
31	Deposition of Nickel Hydroxide Structures Using the Scanning Electrochemical Microscope. *Journal of the Electrochemical Society*, **1994**, 141, 995-999	3.9	34
30	Electrochemical determination of ultralow levels (. *Electroanalysis*, **1994**, 6, 838-843	3	53
29	Chemically modified electrode for the determination of gold in an electrochemical and spectrophotometric study. *FreseniusJournal of Analytical Chemistry*, **1994**, 349, 491-496		8
28	Self-assembled monolayers in electroanalytical chemistry: Application of .omega.-mercaptocarboxylic acid monolayers for electrochemical determination of ultralow levels of cadmium(II). *Analytical Chemistry*, **1994**, 66, 58-63	7.8	125
27	Self-assembled monolayers in electroanalytical chemistry: application of .omega.-mercapto carboxylic acid monolayers for the electrochemical detection of dopamine in the presence of a high concentration of ascorbic acid. *Analytical Chemistry*, **1993**, 65, 37-41	7.8	324
26	Electrochemical determination of trace amounts of gold(III) by anodic stripping voltammetry using a chemically modified electrode. *Analytical Chemistry*, **1993**, 65, 2089-2092	7.8	25
25	A Reference Electrode for Organic Solvents Based on Modified Polyethylenimine Loaded with Fe (CN) 6 3 / 4 *Journal of the Electrochemical Society*, **1993**, 140, L25-L27	3.9	6
24	Electrochemical mercury detection. *Nature*, **1993**, 362, 703-704	50.4	53
23	An Easy Method to Prepare Gold Electrodes. *Journal of the Electrochemical Society*, **1992**, 139, L65-L65	3.9	2

22	Application of polyethyleneimine-quinone modified electrodes for voltammetric measurements of pH. *Electrochimica Acta*, **1992**, 37, 2765-2767	6.7	17
21	The effect of tin(II) chloride adsorption on the electrochemical oxidation of tin(II) and other reactions at gold and platinum electrodes. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1991**, 307, 217-228		16
20	High Resolution Etching of Semiconductors by the Feedback Mode of the Scanning Electrochemical Microscope. *Journal of the Electrochemical Society*, **1990**, 137, 2468-2472	3.9	89
19	A New Approach to the High Resolution Electrodeposition of Metals via the Feedback Mode of the Scanning Electrochemical Microscope. *Journal of the Electrochemical Society*, **1990**, 137, 1079-1086	3.9	77
18	Hole injection and etching studies of gallium arsenide using the scanning electrochemical microscope. *Langmuir*, **1990**, 6, 1489-1494	4	64
17	Scanning electrochemical microscopy - a new technique for the characterization and modification of surfaces. *Accounts of Chemical Research*, **1990**, 23, 357-363	24.3	250
16	Scanning Electrochemical Microscopy: The Application of the Feedback Mode for High Resolution Copper Etching. *Journal of the Electrochemical Society*, **1989**, 136, 3143-3144	3.9	94
15	Enzyme-catalysed biotransformations through photochemical regeneration of nicotinamide cofactors. *Enzyme and Microbial Technology*, **1989**, 11, 467-483	3.8	57
14	Characterization of palladium-.beta.-cyclodextrin colloids as catalysts in the photosensitized reduction of bicarbonate to formate. *Journal of the American Chemical Society*, **1989**, 111, 1330-1336	16.4	97
13	Photochemical fixation of carbon dioxide: enzymic photosynthesis of malic, aspartic, isocitric, and formic acids in artificial media. *Journal of the Chemical Society Perkin Transactions II*, **1988**, 997		86
12	Photohydrogenation of acetylenes in water-oil two-phase systems: application of novel metal colloids and mechanistic aspects of the process. *The Journal of Physical Chemistry*, **1987**, 91, 3600-3605		30
11	Photosensitized reduction of carbon dioxide to methane and hydrogen evolution in the presence of ruthenium and osmium colloids: strategies to design selectivity of products distribution. *Journal of the American Chemical Society*, **1987**, 109, 6080-6086	16.4	140
10	Effective photoreduction of carbon dioxide/bicarbonate to formate using visible light. *Journal of the American Chemical Society*, **1987**, 109, 7884-7885	16.4	35
9	Photoinduced carbon dioxide fixation forming malic and isocitric acid. *Journal of the Chemical Society Chemical Communications*, **1986**, 1022		38
8	Photoinduced enzyme-catalysed synthesis of amino acids by visible light. *Journal of the Chemical Society Chemical Communications*, **1986**, 851		23
7	Photosensitized NAD(P)H regeneration systems; application in the reduction of butan-2-one, pyruvic, and acetoacetic acids and in the reductive amination of pyruvic and oxoglutaric acid to amino acid. *Journal of the Chemical Society Perkin Transactions II*, **1986**, 805		49
6	Transformation of single-electron transfer photoproducts into multielectron charge relays: the functions of water□il two-phase systems and enzyme catalysis. *Journal of Photochemistry and Photobiology*, **1985**, 28, 215-228		17
5	Photoredox reactions in water-in-oil microemulsions. The functions of amphiphilic viologens in charge separation and electron transfer across a water-oil boundary. *The Journal of Physical Chemistry*, **1984**, 88, 4366-4370		19

4	Solar light induced formation of chiral 2-butanol in an enzyme-catalyzed chemical system. *Journal of the American Chemical Society*, **1984**, 106, 5352-5353	16.4	98
3	Development of nitrogen-decorated carbon dots (NCDs) thermally conductive film for windows application. *Carbon Letters*,1	2.3	0
2	Conduction heat transfer switching using magnetic Fe$$_{x}$$O$$_{y}$$-decorated carbon-based nanomaterials. *European Physical Journal: Special Topics*,1	2.3	0
1	Modern practices in electrophoretic deposition to manufacture energy storage electrodes. *International Journal of Energy Research*,	4.5	2