Daniel Mandler

List of Publications by Citations

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	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
290	Exciting new directions in the intersection of functionalized sol□gel materials with electrochemistry. *Journal of Materials Chemistry*, **2005**, 15, 3663		250
289	Scanning electrochemical microscopy - a new technique for the characterization and modification of surfaces. *Accounts of Chemical Research*, **1990**, 23, 357-363	24.3	250
288	Electrodeposition of Methylated Sol-Gel Films on Conducting Surfaces. *Advanced Materials*, **1999**, 11, 384-388	24	234
287	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
286	Selective Determination of Cr(VI) by a Self-Assembled Monolayer-Based Electrode. *Analytical Chemistry*, **1997**, 69, 894-7	7.8	201
285	Parathion Sensor Based on Molecularly Imprinted Sol□el Films. *Analytical Chemistry*, **2004**, 76, 120-126	7.8	194
284	Applications of self-assembled monolayers in electroanalytical chemistry. *Electroanalysis*, **1996**, 8, 207-213		180
283	Electrodeposition of sol□el films on Al for corrosion protection. *Corrosion Science*, **2003**, 45, 2893-2904	6.8	150
282	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
281	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
280	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
279	Application of nanoparticles for the enhancement of latent fingerprints. *Chemical Communications*, **2007**, 1142-4	5.8	121
278	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
277	Self-assembled monolayers (SAMs) for electrochemical sensing. *Journal of Solid State Electrochemistry*, **2011**, 15, 1535-1558	2.6	117
276	Nanostructured electrochromic films by inkjet printing on large area and flexible transparent silver electrodes. *Nanoscale*, **2014**, 6, 4572-6	7.7	102
275	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

274	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
273	Writing Reading Erasing on Tungsten Oxide Films Using the Scanning Electrochemical Microscope. *Advanced Materials*, **2000**, 12, 330-333	24	95
272	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
271	Scanning Tunneling Microscopy Study of l-Cysteine on Au(111). *Langmuir*, **1996**, 12, 2849-2852	4	92
270	Chiral electrochemical recognition by very thin molecularly imprinted sol-gel films. *Langmuir*, **2005**, 21, 7842-7	4	90
269	Electrochemical detection of low concentrations of mercury in water using gold nanoparticles. *Analytical Chemistry*, **2015**, 87, 5148-55	7.8	89
268	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
267	Bio-inspired antifouling approaches: the quest towards non-toxic and non-biocidal materials. *Current Opinion in Biotechnology*, **2016**, 39, 48-55	11.4	86
266	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
265	Manganese doped Co3O4 mesoporous nanoneedle array for long cycle-stable supercapacitors. *Applied Surface Science*, **2019**, 469, 941-950	6.7	79
264	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
263	Patterning and characterization of surfaces with organic and biological molecules by the scanning electrochemical microscope. *Analytical Chemistry*, **2000**, 72, 3431-5	7.8	75
262	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
261	Fabrication of nanoelectrode ensembles by electrodepositon of Au nanoparticles on single-layer graphene oxide sheets. *Nanoscale*, **2012**, 4, 2728-33	7.7	72
260	Preparation and characterization of n-alkanoic acid self-assembled monolayers adsorbed on 316L stainless steel. *Langmuir*, **2004**, 20, 7499-506	4	71
259	Microwriting of Gold Patterns with the Scanning Electrochemical Microscope. *Journal of the Electrochemical Society*, **1995**, 142, L82-L84	3.9	70
258	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
257	Nano to nano electrodeposition of WO3 crystalline nanoparticles for electrochromic coatings. *Journal of Materials Chemistry A*, **2014**, 2, 16224-16229	13	67

256	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
255	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
254	Side by Side Battery Technologies with Lithium-Ion Based Batteries. *Advanced Energy Materials*, **2020**, 10, 2000089	21.8	64
253	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
252	Two-Dimensional Polyaniline Thin Film Electrodeposited on a Self-Assembled Monolayer. *Journal of the American Chemical Society*, **1998**, 120, 10733-10742	16.4	64
251	Self-assembled monolayers on mercury surfaces. *Journal of Electroanalytical Chemistry*, **1996**, 409, 131-136	4.1	64
250	Hole injection and etching studies of gallium arsenide using the scanning electrochemical microscope. *Langmuir*, **1990**, 6, 1489-1494	4	64
249	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
248	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
247	Preparation and characterization of octadecylsilane monolayers on indium□in oxide (ITO) surfaces. *Journal of Electroanalytical Chemistry*, **2001**, 500, 453-460	4.1	62
246	Studying thiol adsorption on Au, Ag and Hg surfaces by potentiometric measurements. *Journal of Electroanalytical Chemistry*, **2003**, 550-551, 267-276	4.1	58
245	Polyaniline Monolayer Self-Assembled on Hydroxyl-Terminated Surfaces. *Langmuir*, **2001**, 17, 2556-2559	4	58
244	Corrosion inhibition of magnesium by combined zirconia silica sol□gel films. *Electrochimica Acta*, **2008**, 53, 5118-5127	6.7	57
243	Electrochemically induced sol-gel deposition of zirconia thin films. *Chemistry - A European Journal*, **2004**, 10, 1936-43	4.8	57
242	Study of silicon etching in HBr solutions using a scanning electrochemical microscope. *Journal of the Chemical Society, Faraday Transactions*, **1995**, 91, 1019		57
241	Enzyme-catalysed biotransformations through photochemical regeneration of nicotinamide cofactors. *Enzyme and Microbial Technology*, **1989**, 11, 467-483	3.8	57
240	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
239	Self-assembly of a tripeptide into a functional coating that resists fouling. *Chemical Communications*, **2014**, 50, 11154-7	5.8	56

238	Synthesis, coating, and drug-release of hydroxyapatite nanoparticles loaded with antibiotics. *Journal of Materials Chemistry B*, **2017**, 5, 7819-7830	7.3	56
237	Electrochemical Codeposition of Thin Gold Nanoparticles/Sol□Gel Nanocomposite Films. *Chemistry of Materials*, **2010**, 22, 3943-3951	9.6	56
236	Anion embedded sol□gel films on Al for corrosion protection. *Corrosion Science*, **2004**, 46, 2975-2985	6.8	56
235	Electrochemical Co-deposition of Sol□Gel/Metal Thin Nanocomposite Films. *Chemistry of Materials*, **2008**, 20, 4276-4283	9.6	55
234	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
233	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
232	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
231	Electrochemical determination of ultralow levels (. *Electroanalysis*, **1994**, 6, 838-843	3	53
230	Electrochemical mercury detection. *Nature*, **1993**, 362, 703-704	50.4	53
229	Periodic micro-patterned VO2 thermochromic films by mesh printing. *Journal of Materials Chemistry C*, **2016**, 4, 8385-8391	7.1	52
228	Theory of scanning electrochemical microscopy (SECM) as a probe of surface conductivity. *Physical Chemistry Chemical Physics*, **2005**, 7, 356-365	3.6	52
227	Application of Sol-Gel Technology for Electroanalytical Sensing. *Electroanalysis*, **2003**, 15, 398-408	3	52
226	Electrochemistry and structure of the isomers of aminothiophenol adsorbed on gold. *Journal of Electroanalytical Chemistry*, **2000**, 491, 55-68	4.1	52
225	Peptide-Based Approaches to Fight Biofouling. *Advanced Materials Interfaces*, **2018**, 5, 1800073	4.6	52
224	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
223	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
222	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
221	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

220	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
219	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
218	Probing the interaction of individual amino acids with inorganic surfaces using atomic force spectroscopy. *Langmuir*, **2013**, 29, 10102-9	4	43
217	Poly(methyl methacrylate) grafting onto stainless steel surfaces: application to drug-eluting stents. *ACS Applied Materials & Interfaces*, **2009**, 1, 2519-28	9.5	43
216	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
215	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
214	Electrodeposition of Dye-Doped Titania Thin Films. *Journal of Sol-Gel Science and Technology*, **2004**, 31, 329-334	2.3	42
213	Visualization of Sebaceous Fingerprints on Fired Cartridge Cases: A Laboratory Study. *Journal of Forensic Sciences*, **1998**, 43, 16180J	1.8	42
212	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
211	Preparation and characterization of alkylphosphonic acid self-assembled monolayers on titanium alloy by chemisorption and electrochemical deposition. *Langmuir*, **2014**, 30, 6791-9	4	41
210	Formation of VO2 zero-dimensional/nanoporous layers with large supercooling effects and enhanced thermochromic properties. *RSC Advances*, **2013**, 3, 7124	3.7	41
209	Important Implications of the Electrochemical Reduction of ITO. *Electrochimica Acta*, **2015**, 176, 1374-1381	6.7	41
208	Thiol self-assembled monolayers on mercury surfaces: the adsorption and electrochemistry of ω-mercaptoalkanoic acids. *Electrochimica Acta*, **1999**, 45, 537-548	6.7	41
207	Electrochemically Driven Hydroxyapatite Nanoparticles Coating of Medical Implants. *Advanced Functional Materials*, **2016**, 26, 8003-8010	15.6	39
206	Chiral Self-Assembled Monolayers. *Journal of the American Chemical Society*, **1995**, 117, 1147-1148	16.4	38
205	Photoinduced carbon dioxide fixation forming malic and isocitric acid. *Journal of the Chemical Society Chemical Communications*, **1986**, 1022		38
204	Electrochemically patterning sol-gel structures on conducting and insulating surfaces. *Chemical Communications*, **2011**, 47, 6909-11	5.8	37
203	Electrochemical determination of uranyl ions using a self-assembled monolayer. *Analytical Chemistry*, **2009**, 81, 8627-31	7.8	37

202	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
201	Electrochemical determination of low levels of uranyl by a vibrating gold microelectrode. *Analytical Chemistry*, **2015**, 87, 768-76	7.8	35
200	Anodic oxidation of Au(111). *Canadian Journal of Chemistry*, **1997**, 75, 1703-1709	0.9	35
199	Local Deposition of Gold on Silicon by the Scanning Electrochemical Microscope. *Journal of the Electrochemical Society*, **2001**, 148, C533	3.9	35
198	Effective photoreduction of carbon dioxide/bicarbonate to formate using visible light. *Journal of the American Chemical Society*, **1987**, 109, 7884-7885	16.4	35
197	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
196	Deposition of Nickel Hydroxide Structures Using the Scanning Electrochemical Microscope. *Journal of the Electrochemical Society*, **1994**, 141, 995-999	3.9	34
195	Electrochemically stimulated drug release from flexible electrodes coated electrophoretically with doxorubicin loaded reduced graphene oxide. *Chemical Communications*, **2017**, 53, 4022-4025	5.8	33
194	Development of Latent Fingerprints on Unfired Cartridges by Palladium Deposition: A Surface Study. *Journal of Forensic Sciences*, **1997**, 42, 14249J	1.8	32
193	Revealing the role of catechol moieties in the interactions between peptides and inorganic surfaces. *Nanoscale*, **2016**, 8, 15309-16	7.7	31
192	Spin pinning effect to reconstructed oxyhydroxide layer on ferromagnetic oxides for enhanced water oxidation. *Nature Communications*, **2021**, 12, 3634	17.4	31
191	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
190	Localized Electroless Deposition of Gold Nanoparticles Using Scanning Electrochemical Microscopy. *Journal of the Electrochemical Society*, **2008**, 155, D459	3.9	30
189	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
188	Nanosphere molecularly imprinted polymers doped with gold nanoparticles for high selectivity molecular sensors. *Nano Research*, **2017**, 10, 1056-1063	10	29
187	Electrochemical Dynamics of a Single Platinum Nanoparticle Collision Event for the Hydrogen Evolution Reaction. *Angewandte Chemie*, **2018**, 130, 3522-3526	3.6	29
186	Elucidating the mechanism of interaction between peptides and inorganic surfaces. *Physical Chemistry Chemical Physics*, **2015**, 17, 15305-15	3.6	29
185	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

184	Electroless Deposition of Conducting Polymers Using the Scanning Electrochemical Microscope. *Advanced Materials*, **1999**, 11, 1221-1226	24	29
183	Nanoparticle-imprinted polymers for size-selective recognition of nanoparticles. *Angewandte Chemie - International Edition*, **2014**, 53, 294-8	16.4	28
182	Thin nanocomposite films of polyaniline/Au nanoparticles by the Langmuir-Blodgett technique. *Langmuir*, **2010**, 26, 4239-45	4	28
181	Ionic strength induced electrodeposition: a universal approach for nanomaterial deposition at selective areas. *Nanoscale*, **2017**, 9, 485-490	7.7	27
180	Electrochemical co-deposition of conductive polymer-silica hybrid thin films. *Physical Chemistry Chemical Physics*, **2013**, 15, 10876-84	3.6	27
179	Control of locally deposited gold nanoparticle on polyaniline films. *Electrochimica Acta*, **2009**, 54, 2951-2956	3.7	27
178	Scanning Electrochemical Imprinting Microscopy: A Tool for Surface Patterning. *Journal of the Electrochemical Society*, **2008**, 155, D203	3.9	27
177	n-Alkanoic acid monolayers on 316L stainless steel promote the adhesion of electropolymerized polypyrrole films. *Langmuir*, **2006**, 22, 5237-40	4	27
176	Disorganised self-assembled monolayers (SAMs): the incorporation of amphiphilic molecules. *Analyst, The*, **2001**, 126, 1850-6	5	27
175	Pyrrole derivatives for electrochemical coating of metallic medical devices. *Journal of Polymer Science Part A*, **2004**, 42, 1658-1667	2.5	26
174	Local Cobalt Electrodeposition Using the Scanning Electrochemical Microscope. *Electrochemical and Solid-State Letters*, **2004**, 7, C71		26
173	TiO2@WO3 core–shell inverse opal structure with enhanced electrochromic performance in NIR region. *Journal of Materials Chemistry C*, **2018**, 6, 8488-8494	7.1	25
172	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
171	Electrochemical Approach for Effective Antifouling and Antimicrobial Surfaces. *ACS Applied Materials & Interfaces*, **2017**, 9, 26503-26509	9.5	25
170	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
169	Polyaniline Langmuir-Blodgett films: formation and properties. *Physical Chemistry Chemical Physics*, **2009**, 11, 3490-6	3.6	25
168	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
167	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

166	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
165	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
164	Ionic strength induced electrodeposition of two-dimensional layered MoS2 nanosheets. *Applied Materials Today*, **2017**, 8, 44-53	6.6	24
163	Electrochemically triggered release of human insulin from an insulin-impregnated reduced graphene oxide modified electrode. *Chemical Communications*, **2015**, 51, 14167-70	5.8	24
162	Molecularly imprinted polymer particles: Formation, characterization and application. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 495, 11-19	5.1	24
161	Electrochemically "writing" graphene from graphene oxide. *Small*, **2014**, 10, 3555-9	11	24
160	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
159	Improved Resolution of Local Metal Deposition by Means of Constant Distance Mode Scanning Electrochemical Microscopy. *Electroanalysis*, **2005**, 17, 538-542	3	24
158	Facile preparation of aqueous suspensions of WO3/sulfonated PEDOT hybrid nanoparticles for electrochromic applications. *Chemical Communications*, **2016**, 52, 9379-82	5.8	23
157	Local deposition of anisotropic nanoparticles using scanning electrochemical microscopy (SECM). *Physical Chemistry Chemical Physics*, **2013**, 15, 2725-32	3.6	23
156	Electrochemically deposited poly(ethylene glycol)-based sol□gel thin films on stainless steel stents. *New Journal of Chemistry*, **2009**, 33, 1596	3.6	23
155	Localized deposition of Au nanoparticles by direct electron transfer through cellobiose dehydrogenase. *Chemistry - A European Journal*, **2010**, 16, 11697-706	4.8	23
154	Why is copper locally etched by scanning electrochemical microscopy?. *Journal of Electroanalytical Chemistry*, **2008**, 622, 115-120	4.1	23
153	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
152	Photoinduced enzyme-catalysed synthesis of amino acids by visible light. *Journal of the Chemical Society Chemical Communications*, **1986**, 851		23
151	Composition-Tailoring of ZnO-Hydroxyapatite Nanocomposite as Bioactive and Antibacterial Coating. *ACS Applied Nano Materials*, **2019**, 2, 2946-2957	5.6	22
150	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
149	Enhanced potentiometry by metallic nanoparticles. *Analytical Chemistry*, **2013**, 85, 8347-53	7.8	22

148	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
147	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
146	Preparation of Biomass-Based Porous Carbons with High Specific Capacitance for Applications in Supercapacitors. *ChemElectroChem*, **2019**, 6, 3599-3605	4.3	21
145	Multienzyme Inkjet Printed 2D Arrays. *ACS Applied Materials & Interfaces*, **2015**, 7, 17985-92	9.5	21
144	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
143	Arsenic(III) detection in water by flow-through carbon nanotube membrane decorated by gold nanoparticles. *Electrochimica Acta*, **2019**, 318, 496-503	6.7	20
142	Symmetrical thiol functionalized polyhedral oligomeric silsesquioxanes as building blocks for LB films. *Soft Matter*, **2011**, 7, 8862	3.6	20
141	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
140	In Situ FTIR-ATR Studies of Functionalized Self-Assembled Bilayer Interactions with Metal Ions in Aqueous Solutions. *Langmuir*, **2002**, 18, 6976-6980	4	20
139	Microelectrochemistry on Surfaces with the Scanning Electrochemical Microscope (SECM). *Israel Journal of Chemistry*, **1996**, 36, 73-80	3.4	20
138	Self-assembled monolayers on Au microelectrodes. *Electrochemistry Communications*, **2007**, 9, 2827-2832	5.1	19
137	Comparing Different Approaches for Assembling Selective Electrodes for Heavy Metals. *Electroanalysis*, **2001**, 13, 653-659	3	19
136	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
135	Characterization and Electroanalytical Application of ω-Mercaptoalkanesulfonic Acid Monolayers on Gold. *Israel Journal of Chemistry*, **1997**, 37, 225-233	3.4	18
134	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
133	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
132	Pattern recognition in oxides thin-film electrodeposition: Printed circuits. *Comptes Rendus Chimie*, **2010**, 13, 237-241	2.7	17
131	Application of polyethyleneimine-quinone modified electrodes for voltammetric measurements of pH. *Electrochimica Acta*, **1992**, 37, 2765-2767	6.7	17

130	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
129	Chiral self-assembled monolayers in electrochemistry. *Current Opinion in Electrochemistry*, **2018**, 7, 42-47	7.2	16
128	The synergistic effect of benzotriazole and trimethylsiloxysilicate towards corrosion protection of printed Cu-based electronics. *Corrosion Science*, **2018**, 143, 329-336	6.8	16
127	Nanoparticle-Imprinted Polymers: Shell-Selective Recognition of Au Nanoparticles by Imprinting Using the Langmuir□lodgett Method. *ChemElectroChem*, **2015**, 2, 795-802	4.3	16
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125	Preparation, characterization and applications of ultrathin cellulose acetate Langmuir-Blodgett films. *Soft Matter*, **2007**, 3, 1053-1063	3.6	16
124	Preparation and characterization of ultra-thin sol□el films. *Thin Solid Films*, **2007**, 515, 4624-4628	2.2	16
123	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
122	Studying electron transfer at electrochromic tungsten oxide sol□el films with scanning electrochemical microscopy (SECM). *Physical Chemistry Chemical Physics*, **2003**, 5, 3212-3219	3.6	16
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