

Daniel Mandler

List of Publications by Year in descending order

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295
papers

12,519
citations

19608

61
h-index

38300

95
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312
all docs

312
docs citations

312
times ranked

12090
citing authors

#	ARTICLE	IF	CITATIONS
1	Approaches for measuring the surface areas of metal oxide electrocatalysts for determining their intrinsic electrocatalytic activity. <i>Chemical Society Reviews</i> , 2019, 48, 2518-2534.	18.7	483
2	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. <i>Analytical Chemistry</i> , 1993, 65, 37-41.	3.2	360
3	Scanning electrochemical microscopy - a new technique for the characterization and modification of surfaces. <i>Accounts of Chemical Research</i> , 1990, 23, 357-363.	7.6	314
4	Exciting new directions in the intersection of functionalized sol-gel materials with electrochemistry. <i>Journal of Materials Chemistry</i> , 2005, 15, 3663.	6.7	267
5	Electrodeposition of Methylated Sol-Gel Films on Conducting Surfaces. <i>Advanced Materials</i> , 1999, 11, 384-388.	11.1	257
6	Selective Determination of Cr(VI) by a Self-Assembled Monolayer-Based Electrode. <i>Analytical Chemistry</i> , 1997, 69, 894-897.	3.2	227
7	Applications of self-assembled monolayers in electroanalytical chemistry. <i>Electroanalysis</i> , 1996, 8, 207-213.	1.5	210
8	Parathion Sensor Based on Molecularly Imprinted Sol-gel Films. <i>Analytical Chemistry</i> , 2004, 76, 120-126.	3.2	208
9	Hierarchical electrodes of NiCo ₂ S ₄ nanosheets-anchored sulfur-doped Co ₃ O ₄ nanoneedles with advanced performance for battery-supercapacitor hybrid devices. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3228-3237.	5.2	190
10	Spin pinning effect to reconstructed oxyhydroxide layer on ferromagnetic oxides for enhanced water oxidation. <i>Nature Communications</i> , 2021, 12, 3634.	5.8	186
11	Electrodeposition of sol-gel films on Al for corrosion protection. <i>Corrosion Science</i> , 2003, 45, 2893-2904.	3.0	164
12	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. <i>Journal of the American Chemical Society</i> , 1987, 109, 6080-6086.	6.6	154
13	Self-assembled monolayers in electroanalytical chemistry: Application of .omega.-mercaptocarboxylic acid monolayers for electrochemical determination of ultralow levels of cadmium(II). <i>Analytical Chemistry</i> , 1994, 66, 58-63.	3.2	150
14	Self-assembled monolayers (SAMs) for electrochemical sensing. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 1535-1558.	1.2	149
15	Application of nanoparticles for the enhancement of latent fingerprints. <i>Chemical Communications</i> , 2007, , 1142.	2.2	147
16	Side by Side Battery Technologies with Lithium-Ion Based Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2000089.	10.2	127
17	Electrochemically Controlled Drug-Mimicking Protein Release from Iron-Alginate Thin-Films Associated with an Electrode. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 466-475.	4.0	124
18	Manganese doped Co ₃ O ₄ mesoporous nanoneedle array for long cycle-stable supercapacitors. <i>Applied Surface Science</i> , 2019, 469, 941-950.	3.1	124

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19	Nanostructured electrochromic films by inkjet printing on large area and flexible transparent silver electrodes. <i>Nanoscale</i> , 2014, 6, 4572.	2.8	120
20	Bio-inspired antifouling approaches: the quest towards non-toxic and non-biocidal materials. <i>Current Opinion in Biotechnology</i> , 2016, 39, 48-55.	3.3	116
21	Scanning Electrochemical Microscopy: The Application of the Feedback Mode for High Resolution Copper Etching. <i>Journal of the Electrochemical Society</i> , 1989, 136, 3143-3144.	1.3	110
22	Characterization of palladium-beta-cyclodextrin colloids as catalysts in the photosensitized reduction of bicarbonate to formate. <i>Journal of the American Chemical Society</i> , 1989, 111, 1330-1336.	6.6	110
23	Solar light induced formation of chiral 2-butanol in an enzyme-catalyzed chemical system. <i>Journal of the American Chemical Society</i> , 1984, 106, 5352-5353.	6.6	109
24	High Resolution Etching of Semiconductors by the Feedback Mode of the Scanning Electrochemical Microscope. <i>Journal of the Electrochemical Society</i> , 1990, 137, 2468-2472.	1.3	109
25	Electrochemical Detection of Low Concentrations of Mercury in Water Using Gold Nanoparticles. <i>Analytical Chemistry</i> , 2015, 87, 5148-5155.	3.2	104
26	Label-free femtomolar cancer biomarker detection in human serum using graphene-coated surface plasmon resonance chips. <i>Biosensors and Bioelectronics</i> , 2017, 89, 606-611.	5.3	104
27	Scanning Tunneling Microscopy Study of L-Cysteine on Au(111). <i>Langmuir</i> , 1996, 12, 2849-2852.	1.6	100
28	Chiral Electrochemical Recognition by Very Thin Molecularly Imprinted Sol-gel Films. <i>Langmuir</i> , 2005, 21, 7842-7847.	1.6	99
29	“Writing” “Reading” “Erasing” on Tungsten Oxide Films Using the Scanning Electrochemical Microscope. <i>Advanced Materials</i> , 2000, 12, 330-333.	11.1	97
30	Photochemical fixation of carbon dioxide: enzymic photosynthesis of malic, aspartic, isocitric, and formic acids in artificial media. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1988, , 997.	0.9	96
31	Peptide-Based Approaches to Fight Biofouling. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800073.	1.9	94
32	Synthesis, coating, and drug-release of hydroxyapatite nanoparticles loaded with antibiotics. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7819-7830.	2.9	87
33	Switch of the Rate-Determining Step of Water Oxidation by Spin-Selected Electron Transfer in Spinel Oxides. <i>Chemistry of Materials</i> , 2019, 31, 8106-8111.	3.2	87
34	A New Approach to the High Resolution Electrodeposition of Metals via the Feedback Mode of the Scanning Electrochemical Microscope. <i>Journal of the Electrochemical Society</i> , 1990, 137, 1079-1086.	1.3	85
35	Patterning and Characterization of Surfaces with Organic and Biological Molecules by the Scanning Electrochemical Microscope. <i>Analytical Chemistry</i> , 2000, 72, 3431-3435.	3.2	82
36	“Nano to nano” electrodeposition of WO ₃ crystalline nanoparticles for electrochromic coatings. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16224-16229.	5.2	81

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37	Simple sol-gel process and one-step annealing of vanadium dioxide thin films: Synthesis and thermochromic properties. <i>Thin Solid Films</i> , 2013, 534, 594-598.	0.8	80
38	Preparation and Characterization of n-Alkanoic Acid Self-Assembled Monolayers Adsorbed on 316L Stainless Steel. <i>Langmuir</i> , 2004, 20, 7499-7506.	1.6	79
39	Layer-by-Layer Assembly of PEDOT:PSS and WO ₃ Nanoparticles: Enhanced Electrochromic Coloration Efficiency and Mechanism Studies by Scanning Electrochemical Microscopy. <i>Electrochimica Acta</i> , 2015, 174, 57-65.	2.6	78
40	Disentangling faradaic, pseudocapacitive, and capacitive charge storage: A tutorial for the characterization of batteries, supercapacitors, and hybrid systems. <i>Electrochimica Acta</i> , 2022, 412, 140072.	2.6	78
41	Microwriting of Gold Patterns with the Scanning Electrochemical Microscope. <i>Journal of the Electrochemical Society</i> , 1995, 142, L82-L84.	1.3	77
42	Visualization of Latent Fingermarks by Nanotechnology: Reversed Development on Paper—A Remedy to the Variation in Sweat Composition. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12224-12227.	7.2	77
43	Fabrication of nanoelectrode ensembles by electrodeposition of Au nanoparticles on single-layer graphene oxide sheets. <i>Nanoscale</i> , 2012, 4, 2728.	2.8	76
44	One-pot sequential electrochemical deposition of multilayer poly(3,4-ethylenedioxythiophene):poly(4-styrenesulfonic acid)/tungsten trioxide hybrid films and their enhanced electrochromic properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2708-2717.	5.2	74
45	Hole injection and etching studies of gallium arsenide using the scanning electrochemical microscope. <i>Langmuir</i> , 1990, 6, 1489-1494.	1.6	73
46	Two-Dimensional Polyaniline Thin Film Electrodeposited on a Self-Assembled Monolayer. <i>Journal of the American Chemical Society</i> , 1998, 120, 10733-10742.	6.6	73
47	A high-performance electrochemical sensor based on g-C ₃ N ₄ -E-PEDOT for the determination of acetaminophen. <i>Electrochimica Acta</i> , 2018, 259, 994-1003.	2.6	73
48	Enzyme-catalysed biotransformations through photochemical regeneration of nicotinamide cofactors. <i>Enzyme and Microbial Technology</i> , 1989, 11, 467-483.	1.6	71
49	Measurement of Lateral Charge Propagation in Polyaniline Layers with the Scanning Electrochemical Microscope. <i>Journal of Physical Chemistry B</i> , 2003, 107, 407-410.	1.2	71
50	Scanning Electrochemical Microscopy. Theory of the Feedback Mode for Hemispherical Ultramicroelectrodes: A Steady-State and Transient Behavior. <i>Analytical Chemistry</i> , 2000, 72, 2383-2390.	3.2	69
51	Europium Doped Vanadium Dioxide Material: Reduced Phase Transition Temperature, Enhanced Luminous Transmittance and Solar Modulation. <i>Science of Advanced Materials</i> , 2014, 6, 558-561.	0.1	69
52	Self-assembled monolayers on mercury surfaces. <i>Journal of Electroanalytical Chemistry</i> , 1996, 409, 131-136.	1.9	68
53	Self-assembly of a tripeptide into a functional coating that resists fouling. <i>Chemical Communications</i> , 2014, 50, 11154-11157.	2.2	68
54	Periodic micro-patterned VO ₂ thermochromic films by mesh printing. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8385-8391.	2.7	68

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55	Electrochemical Dynamics of a Single Platinum Nanoparticle Collision Event for the Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3464-3468.	7.2	68
56	Electrochemically Induced Sol-Gel Deposition of Zirconia Thin Films. <i>Chemistry - A European Journal</i> , 2004, 10, 1936-1943.	1.7	65
57	Study of silicon etching in HBr solutions using a scanning electrochemical microscope. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 1019.	1.7	64
58	Preparation and characterization of octadecylsilane monolayers on indium-tin oxide (ITO) surfaces. <i>Journal of Electroanalytical Chemistry</i> , 2001, 500, 453-460.	1.9	64
59	Corrosion inhibition of magnesium by combined zirconia silica sol-gel films. <i>Electrochimica Acta</i> , 2008, 53, 5118-5127.	2.6	64
60	Important Implications of the Electrochemical Reduction of ITO. <i>Electrochimica Acta</i> , 2015, 176, 1374-1381.	2.6	63
61	Electrochemical mercury detection. <i>Nature</i> , 1993, 362, 703-704.	13.7	62
62	Studying thiol adsorption on Au, Ag and Hg surfaces by potentiometric measurements. <i>Journal of Electroanalytical Chemistry</i> , 2003, 550-551, 267-276.	1.9	62
63	Polyaniline Monolayer Self-Assembled on Hydroxyl-Terminated Surfaces. <i>Langmuir</i> , 2001, 17, 2556-2559.	1.6	60
64	Electrochemical Codeposition of Thin Gold Nanoparticles/Sol-Gel Nanocomposite Films. <i>Chemistry of Materials</i> , 2010, 22, 3943-3951.	3.2	60
65	High switching speed and coloration efficiency of titanium-doped vanadium oxide thin film electrochromic devices. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7380.	2.7	60
66	Anion embedded sol-gel films on Al for corrosion protection. <i>Corrosion Science</i> , 2004, 46, 2975-2985.	3.0	59
67	Electrochemical determination of ultralow levels ($< 10^{-12}$ M) of mercury by anodic stripping voltammetry using a chemically modified electrode. <i>Electroanalysis</i> , 1994, 6, 838-843.	1.5	58
68	Application of Sol-Gel Technology for Electroanalytical Sensing. <i>Electroanalysis</i> , 2003, 15, 398-408.	1.5	58
69	Electrochemical Co-deposition of Sol-Gel/Metal Thin Nanocomposite Films. <i>Chemistry of Materials</i> , 2008, 20, 4276-4283.	3.2	58
70	A New Approach to Micropatterning: Application of Potential-Assisted Ion Transfer at the Liquid-Liquid Interface for the Local Metal Deposition. <i>Journal of the American Chemical Society</i> , 2002, 124, 5618-5619.	6.6	57
71	Effect of Surface Pressure on the Insulator to Metal Transition of a Langmuir Polyaniline Monolayer. <i>Journal of the American Chemical Society</i> , 2003, 125, 9312-9313.	6.6	57
72	Theory of scanning electrochemical microscopy (SECM) as a probe of surface conductivity. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 356-365.	1.3	57

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73	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. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1986, , 805.	0.9	56
74	Electrochemistry and structure of the isomers of aminothiophenol adsorbed on gold. <i>Journal of Electroanalytical Chemistry</i> , 2000, 491, 55-68.	1.9	56
75	Preparation and Characterization of Alkylphosphonic Acid Self-Assembled Monolayers on Titanium Alloy by Chemisorption and Electrochemical Deposition. <i>Langmuir</i> , 2014, 30, 6791-6799.	1.6	56
76	Detection of folic acid protein in human serum using reduced graphene oxide electrodes modified by folic-acid. <i>Biosensors and Bioelectronics</i> , 2016, 75, 389-395.	5.3	54
77	Electrochemically Driven Hydroxyapatite Nanoparticles Coating of Medical Implants. <i>Advanced Functional Materials</i> , 2016, 26, 8003-8010.	7.8	53
78	The effect of an alkylsilane monolayer on an indium-tin oxide surface on the electrochemistry of hexacyanoferrate. <i>Journal of Electroanalytical Chemistry</i> , 2000, 484, 194-202.	1.9	52
79	Detection of uranium(VI) in aqueous solution by a calix[6]arene modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2008, 621, 214-221.	1.9	51
80	Studying Heterogeneous Catalysis by the Scanning Electrochemical Microscope (SECM): The Reduction of Protons by Methyl Viologen Catalyzed by a Platinum Surface. <i>Journal of Physical Chemistry B</i> , 1999, 103, 1509-1517.	1.2	48
81	Probing the Interaction of Individual Amino Acids with Inorganic Surfaces Using Atomic Force Spectroscopy. <i>Langmuir</i> , 2013, 29, 10102-10109.	1.6	48
82	Index-tunable anti-reflection coatings: Maximizing solar modulation ability for vanadium dioxide-based smart thermochromic glazing. <i>Journal of Alloys and Compounds</i> , 2018, 731, 1197-1207.	2.8	48
83	Thiol self-assembled monolayers on mercury surfaces: the adsorption and electrochemistry of mercaptoalkanoic acids. <i>Electrochimica Acta</i> , 1999, 45, 537-548.	2.6	47
84	Electrodeposition of Dye-Doped Titania Thin Films. <i>Journal of Sol-Gel Science and Technology</i> , 2004, 31, 329-334.	1.1	47
85	Poly(methyl methacrylate) Grafting onto Stainless Steel Surfaces: Application to Drug-Eluting Stents. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 2519-2528.	4.0	47
86	Formation of VO ₂ zero-dimensional/nanoporous layers with large supercooling effects and enhanced thermochromic properties. <i>RSC Advances</i> , 2013, 3, 7124.	1.7	47
87	Chiral Self-Assembled Monolayers. <i>Journal of the American Chemical Society</i> , 1995, 117, 1147-1148.	6.6	46
88	Visualization of Sebaceous Fingerprints on Fired Cartridge Cases: A Laboratory Study. <i>Journal of Forensic Sciences</i> , 1998, 43, 543-548.	0.9	45
89	Evaluation of drug-eluting stents' coating durability—Clinical and regulatory implications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 91B, 441-451.	1.6	44
90	Composition-Tailoring of ZnO-Hydroxyapatite Nanocomposite as Bioactive and Antibacterial Coating. <i>ACS Applied Nano Materials</i> , 2019, 2, 2946-2957.	2.4	44

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91	Anodic oxidation of Au(111). Canadian Journal of Chemistry, 1997, 75, 1703-1709.	0.6	43
92	Nanosphere molecularly imprinted polymers doped with gold nanoparticles for high selectivity molecular sensors. Nano Research, 2017, 10, 1056-1063.	5.8	43
93	Effective photoreduction of carbon dioxide/bicarbonate to formate using visible light. Journal of the American Chemical Society, 1987, 109, 7884-7885.	6.6	42
94	Revealing the role of catechol moieties in the interactions between peptides and inorganic surfaces. Nanoscale, 2016, 8, 15309-15316.	2.8	42
95	Photoinduced carbon dioxide fixation forming malic and isocitric acid. Journal of the Chemical Society Chemical Communications, 1986, , 1022.	2.0	41
96	Deposition of Nickel Hydroxide Structures Using the Scanning Electrochemical Microscope. Journal of the Electrochemical Society, 1994, 141, 995-999.	1.3	41
97	Electrochemical Determination of Low Levels of Uranyl by a Vibrating Gold Microelectrode. Analytical Chemistry, 2015, 87, 768-776.	3.2	41
98	Electrochemical Determination of Uranyl Ions Using a Self-Assembled Monolayer. Analytical Chemistry, 2009, 81, 8627-8631.	3.2	40
99	Methanol electro-oxidation to formate on iron-substituted lanthanum cobaltite perovskite oxides. EScience, 2022, 2, 87-94.	25.0	40
100	Local Deposition of Gold on Silicon by the Scanning Electrochemical Microscope. Journal of the Electrochemical Society, 2001, 148, C533.	1.3	39
101	Electrochemically patterning sol-gel structures on conducting and insulating surfaces. Chemical Communications, 2011, 47, 6909.	2.2	39
102	Elucidating the mechanism of interaction between peptides and inorganic surfaces. Physical Chemistry Chemical Physics, 2015, 17, 15305-15315.	1.3	39
103	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.	2.9	38
104	Efficient Near Infrared Modulation with High Visible Transparency Using SnO ₂ WO ₃ Nanostructure for Advanced Smart Windows. Advanced Optical Materials, 2019, 7, 1801389.	3.6	38
105	Arsenic(III) detection in water by flow-through carbon nanotube membrane decorated by gold nanoparticles. Electrochimica Acta, 2019, 318, 496-503.	2.6	38
106	Nanoparticle-Imprinted Polymers for Size-Selective Recognition of Nanoparticles. Angewandte Chemie - International Edition, 2014, 53, 294-298.	7.2	37
107	Electrochemical Dynamics of a Single Platinum Nanoparticle Collision Event for the Hydrogen Evolution Reaction. Angewandte Chemie, 2018, 130, 3522-3526.	1.6	37
108	Formation and performance of highly absorbing solar thermal coating based on carbon nanotubes and boehmite. Energy Conversion and Management, 2016, 120, 287-293.	4.4	36

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109	Electrochemically stimulated drug release from flexible electrodes coated electrophoretically with doxorubicin loaded reduced graphene oxide. <i>Chemical Communications</i> , 2017, 53, 4022-4025.	2.2	36
110	Localized Electroless Deposition of Gold Nanoparticles Using Scanning Electrochemical Microscopy. <i>Journal of the Electrochemical Society</i> , 2008, 155, D459.	1.3	35
111	Studying the Reactions of CdTe Nanostructures and Thin CdTe Films with Ag ⁺ and AuCl ₄ ⁻ . <i>Journal of Physical Chemistry C</i> , 2008, 112, 8881-8889.	1.5	34
112	TiO ₂ –WO ₃ core–shell inverse opal structure with enhanced electrochromic performance in NIR region. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8488-8494.	2.7	34
113	Ultrafine Ni(OH) ₂ nanoplatelets grown on 3D graphene hydrogel fabricated by electrochemical exfoliation for high-performance battery-type asymmetric supercapacitor applications. <i>Journal of Power Sources</i> , 2019, 439, 227046.	4.0	34
114	Thin Nanocomposite Films of Polyaniline/Au Nanoparticles by the Langmuir–Blodgett Technique. <i>Langmuir</i> , 2010, 26, 4239-4245.	1.6	33
115	Electrochemical Approach for Effective Antifouling and Antimicrobial Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26503-26509.	4.0	33
116	Development of Latent Fingerprints on Unfired Cartridges by Palladium Deposition: A Surface Study. <i>Journal of Forensic Sciences</i> , 1997, 42, 986-992.	0.9	33
117	Disorganised self-assembled monolayers (SAMs): the incorporation of amphiphilic molecules. <i>Analyst</i> , 2001, 126, 1850-1856.	1.7	32
118	Ionic strength induced electrodeposition: a universal approach for nanomaterial deposition at selective areas. <i>Nanoscale</i> , 2017, 9, 485-490.	2.8	32
119	Preparation of Biomass-Based Porous Carbons with High Specific Capacitance for Applications in Supercapacitors. <i>ChemElectroChem</i> , 2019, 6, 3599-3605.	1.7	32
120	Electrochemical deposition of N-heterocyclic carbene monolayers on metal surfaces. <i>Nature Communications</i> , 2020, 11, 5714.	5.8	32
121	Electrochemical determination of trace amounts of gold(III) by anodic stripping voltammetry using a chemically modified electrode. <i>Analytical Chemistry</i> , 1993, 65, 2089-2092.	3.2	31
122	Electrochemical co-deposition of conductive polymer–silica hybrid thin films. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 10876.	1.3	31
123	Molecularly imprinted polymer particles: Formation, characterization and application. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 495, 11-19.	2.3	31
124	Polyaniline Langmuir–Blodgett films: formation and properties. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 3490.	1.3	30
125	Electroless Deposition of Conducting Polymers Using the Scanning Electrochemical Microscope. <i>Advanced Materials</i> , 1999, 11, 1221-1226.	11.1	29
126	Characterization of n-alkanethiol self-assembled monolayers on mercury by impedance spectroscopy and potentiometric measurements. <i>Journal of Electroanalytical Chemistry</i> , 2006, 593, 227-240.	1.9	29

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127	Ionic strength induced electrodeposition of two-dimensional layered MoS ₂ nanosheets. Applied Materials Today, 2017, 8, 44-53.	2.3	29
128	n-Alkanoic Acid Monolayers on 316L Stainless Steel Promote the Adhesion of Electropolymerized Polypyrrole Films. Langmuir, 2006, 22, 5237-5240.	1.6	28
129	Scanning Electrochemical Imprinting Microscopy: A Tool for Surface Patterning. Journal of the Electrochemical Society, 2008, 155, D203.	1.3	28
130	Control of locally deposited gold nanoparticle on polyaniline films. Electrochimica Acta, 2009, 54, 2951-2956.	2.6	28
131	Localized Deposition of Au Nanoparticles by Direct Electron Transfer through Cellobiose Dehydrogenase. Chemistry - A European Journal, 2010, 16, 11697-11706.	1.7	28
132	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.	3.0	28
133	Photoinduced enzyme-catalysed synthesis of amino acids by visible light. Journal of the Chemical Society Chemical Communications, 1986, , 851.	2.0	27
134	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.	1.2	27
135	Pyrrole derivatives for electrochemical coating of metallic medical devices. Journal of Polymer Science Part A, 2004, 42, 1658-1667.	2.5	27
136	Local Cobalt Electrodeposition Using the Scanning Electrochemical Microscope. Electrochemical and Solid-State Letters, 2004, 7, C71.	2.2	27
137	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.	2.2	27
138	Electrochemically "Writing" Graphene from Graphene Oxide. Small, 2014, 10, 3555-3559.	5.2	27
139	Microelectrochemistry on Surfaces with the Scanning Electrochemical Microscope (SECM). Israel Journal of Chemistry, 1996, 36, 73-80.	1.0	26
140	Studying the binding of Cd ²⁺ by L-mercaptoalkanoic acid self assembled monolayers by cyclic voltammetry and scanning electrochemical microscopy (SECM). Journal of Electroanalytical Chemistry, 2005, 581, 310-319.	1.9	26
141	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, 758-767.	4.0	26
142	Local deposition of anisotropic nanoparticles using scanning electrochemical microscopy (SECM). Physical Chemistry Chemical Physics, 2013, 15, 2725.	1.3	26
143	Electrochemically triggered release of human insulin from an insulin-impregnated reduced graphene oxide modified electrode. Chemical Communications, 2015, 51, 14167-14170.	2.2	26
144	Facile preparation of aqueous suspensions of WO ₃ /sulfonated PEDOT hybrid nanoparticles for electrochromic applications. Chemical Communications, 2016, 52, 9379-9382.	2.2	26

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145	The effect of surface attachment on ligand binding: studying the association of Mg ²⁺ , Ca ²⁺ and Sr ²⁺ by 1-thioglycerol and 1,4-dithiothreitol monolayers. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 158-164.	1.3	25
146	Drug-eluting stent with improved durability and controllability properties, obtained via electrocoated adhesive promotion layer. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 91B, 819-830.	1.6	25
147	The Dynamic Redox Chemistry of Iron in the Epilimnion of Lake Kinneret (Sea of Galilee). <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 565-576.	1.6	24
148	In Situ FTIR-ATR Studies of Functionalized Self-Assembled Bilayer Interactions with Metal Ions in Aqueous Solutions. <i>Langmuir</i> , 2002, 18, 6976-6980.	1.6	24
149	Improved Resolution of Local Metal Deposition by Means of Constant Distance Mode Scanning Electrochemical Microscopy. <i>Electroanalysis</i> , 2005, 17, 538-542.	1.5	24
150	Why is copper locally etched by scanning electrochemical microscopy?. <i>Journal of Electroanalytical Chemistry</i> , 2008, 622, 115-120.	1.9	24
151	Enhanced Potentiometry by Metallic Nanoparticles. <i>Analytical Chemistry</i> , 2013, 85, 8347-8353.	3.2	24
152	Adsorption and detection of organic pollutants by fixed bed carbon nanotube electrochemical membrane. <i>Chemical Engineering Journal</i> , 2019, 359, 130-137.	6.6	24
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