

Neso Sojic

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.

168 papers	4,140 citations	35 h-index	56 g-index
193 ext. papers	5,100 ext. citations	6.8 avg, IF	5.79 L-index

#	Paper	IF	Citations
168	Sensitive electrochemiluminescence biosensing of polynucleotide kinase using the versatility of two-dimensional TiCT MXene nanomaterials.. <i>Analytica Chimica Acta</i> , 2022 , 1191, 339346	6.6	3
167	Electrochemiluminescence with semiconductor (nano)materials.. <i>Chemical Science</i> , 2022 , 13, 2528-2550	9.4	8
166	Dynamic Electrochemiluminescence Imaging of Single Giant Liposome Opening at Polarized Electrodes.. <i>Analytical Chemistry</i> , 2022 ,	7.8	2
165	Interplay between electrochemistry and optical imaging: The whole is greater than the sum of the parts. <i>Current Opinion in Electrochemistry</i> , 2022 , 101007	7.2	1
164	Enhanced Cathodic Electrochemiluminescence of Luminol on Iron Electrodes. <i>Analytical Chemistry</i> , 2021 ,	7.8	6
163	Photoelectrochemistry at semiconductor/liquid interfaces triggered by electrochemiluminescence. <i>Cell Reports Physical Science</i> , 2021 , 2, 100670	6.1	1
162	Single Biomolecule Imaging by Electrochemiluminescence. <i>Journal of the American Chemical Society</i> , 2021 , 143, 17910-17914	16.4	26
161	Electrochemiluminescence Microscopy of Cells: Essential Role of Surface Regeneration. <i>Analytical Chemistry</i> , 2021 , 93, 1652-1657	7.8	13
160	Bipolar Electrochemiluminescence Imaging: A Way to Investigate the Passivation of Silicon Surfaces. <i>ChemPhysChem</i> , 2021 , 22, 1094-1100	3.2	3
159	Rational Design of Electrochemiluminescent Devices. <i>Accounts of Chemical Research</i> , 2021 , 54, 2936-2945	54.3	29
158	Photoinduced electrochemiluminescence at nanostructured hematite electrodes. <i>Electrochimica Acta</i> , 2021 , 381, 138238	6.7	4
157	Bipolar (Bio)electroanalysis. <i>Annual Review of Analytical Chemistry</i> , 2021 , 14, 65-86	12.5	15
156	Shadow Electrochemiluminescence Microscopy of Single Mitochondria. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 18742-18749	16.4	18
155	Single-Particle Tracking Method in Fluorescence Microscopy to Monitor Bioenergetic Responses of Individual Mitochondria. <i>Methods in Molecular Biology</i> , 2021 , 2276, 153-163	1.4	
154	Electrochemiluminescence Loss in Photobleaching. <i>Angewandte Chemie</i> , 2021 , 133, 7764-7768	3.6	6
153	Electrochemiluminescence Loss in Photobleaching. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7686-7690	16.4	16
152	Shadow Electrochemiluminescence Microscopy of Single Mitochondria. <i>Angewandte Chemie</i> , 2021 , 133, 18890-18897	3.6	4

151	A microscopy technique that images single reaction events in total darkness. <i>Nature</i> , 2021 , 596, 194-195	50.4	4
150	Lorentz Force-Driven Autonomous Janus Swimmers. <i>Journal of the American Chemical Society</i> , 2021 , 143, 12708-12714	16.4	0
149	Photophysics, Electrochemistry and Efficient Electrochemiluminescence of Trigonal Truxene-Core Dyes. <i>Chemistry - A European Journal</i> , 2020 , 26, 8407-8416	4.8	2
148	Electrochemiluminescence in Thermo-Responsive Hydrogel Films with Tunable Thickness. <i>Journal of Analysis and Testing</i> , 2020 , 4, 107-113	3.2	
147	Intracellular Wireless Analysis of Single Cells by Bipolar Electrochemiluminescence Confined in a Nanopipette. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10416-10420	16.4	78
146	Intracellular Wireless Analysis of Single Cells by Bipolar Electrochemiluminescence Confined in a Nanopipette. <i>Angewandte Chemie</i> , 2020 , 132, 10502-10506	3.6	22
145	Reactivity mapping of luminescence in space: Insights into heterogeneous electrochemiluminescence bioassays. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112372	11.8	18
144	Remote Actuation of a Light-Emitting Device Based on Magnetic Stirring and Wireless Electrochemistry. <i>ChemPhysChem</i> , 2020 , 21, 600-604	3.2	4
143	Multiplexed Remote SPR Detection of Biological Interactions through Optical Fiber Bundles. <i>Sensors</i> , 2020 , 20,	3.8	10
142	Luminescence Amplification at BiVO ₄ Photoanodes by Photoinduced Electrochemiluminescence. <i>Angewandte Chemie</i> , 2020 , 132, 15269-15272	3.6	4
141	Chiroptical detection of a model ruthenium dye in water by circularly polarized-electrochemiluminescence. <i>Chemical Communications</i> , 2020 , 56, 5989-5992	5.8	5
140	Luminescence Amplification at BiVO Photoanodes by Photoinduced Electrochemiluminescence. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15157-15160	16.4	8
139	Electrochemiluminescence reaction pathways in nanofluidic devices. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 4067-4075	4.4	4
138	Wireless Enhanced Electrochemiluminescence at a Bipolar Microelectrode in a Solid-State Micropore. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 137509	3.9	4
137	Enhancing the sensitivity of plasmonic optical fiber sensors by analyzing the distribution of the optical modes intensity. <i>Optics Express</i> , 2020 , 28, 28740-28749	3.3	0
136	Electrosynthesis of gradient TiO ₂ nanotubes and rapid screening using scanning photoelectrochemical microscopy. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 1099-1104	5.8	1
135	Electrochemistry-Based Light-Emitting Mobile Systems. <i>ChemElectroChem</i> , 2020 , 7, 4853-4862	4.3	8
134	Chiral Macroporous MOF Surfaces for Electroassisted Enantioselective Adsorption and Separation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 36548-36557	9.5	11

133	Asymmetry controlled dynamic behavior of autonomous chemiluminescent Janus microswimmers. <i>Chemical Science</i> , 2020 , 11, 7438-7443	9.4	15
132	Near-infrared electrochemiluminescence in water through regioselective sulfonation of diaza [4] and [6]helicene dyes. <i>Chemical Communications</i> , 2020 , 56, 9771-9774	5.8	0
131	Spatially resolved electrochemiluminescence through a chemical lens. <i>Chemical Science</i> , 2020 , 11, 10496-10500	9.4	25
130	Self-enhanced multicolor electrochemiluminescence by competitive electron-transfer processes. <i>Chemical Science</i> , 2020 , 11, 4508-4515	9.4	17
129	Tracking Magnetic Rotating Objects by Bipolar Electrochemiluminescence. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 5318-5324	6.4	16
128	Enhanced Bipolar Electrochemistry at Solid-State Micropores: Demonstration by Wireless Electrochemiluminescence Imaging. <i>Analytical Chemistry</i> , 2019 , 91, 8900-8907	7.8	19
127	Reactive Oxygen Species Generated by Cold Atmospheric Plasmas in Aqueous Solution: Successful Electrochemical Monitoring in Situ under a High Voltage System. <i>Analytical Chemistry</i> , 2019 , 91, 8002-8007	7.8	9
126	Towards Determining Kinetics of Annihilation Electrogenenerated Chemiluminescence by Concentration-Dependent Luminescent Intensity. <i>Journal of Analysis and Testing</i> , 2019 , 3, 160-165	3.2	4
125	Advances in bipolar electrochemiluminescence for the detection of biorelevant molecular targets. <i>Current Opinion in Electrochemistry</i> , 2019 , 16, 28-34	7.2	15
124	Circularly-Polarized Electrochemiluminescence from a Chiral Bispyrene Organic Macrocycle. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6952-6956	16.4	67
123	Circularly-Polarized Electrochemiluminescence from a Chiral Bispyrene Organic Macrocycle. <i>Angewandte Chemie</i> , 2019 , 131, 7026-7030	3.6	22
122	Electrochemiluminescence Imaging for Bioanalysis. <i>Annual Review of Analytical Chemistry</i> , 2019 , 12, 275-295	12.5	94
121	Highly parallel remote SPR detection of DNA hybridization by micropillar optical arrays. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 2249-2259	4.4	9
120	Photoinduced Electrochemiluminescence at Silicon Electrodes in Water. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13013-13016	16.4	49
119	Dual microelectrodes decorated with nanotip arrays: Fabrication, characterization and spectroelectrochemical sensing. <i>Electrochimica Acta</i> , 2019 , 328, 135105	6.7	3
118	Polarization Induced Electro-Functionalization of Pore Walls: A Contactless Technology. <i>Biosensors</i> , 2019 , 9,	5.9	5
117	Chapter 1:Introduction and Overview of Electrogenenerated Chemiluminescence. <i>RSC Detection Science</i> , 2019 , 1-28	0.4	8
116	6. Biochemical sensing based on bipolar electrochemistry 2019 , 101-120		1

115	Potential-Induced Fine-Tuning of the Enantioaffinity of Chiral Metal Phases. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3471-3475	16.4	19
114	Microwell array integrating nanoelectrodes for coupled opto-electrochemical monitorings of single mitochondria. <i>Biosensors and Bioelectronics</i> , 2019 , 126, 672-678	11.8	6
113	C-Functionalized Cationic Diazaoxatriangulenes: Late-Stage Synthesis and Tuning of Physicochemical Properties. <i>Chemistry - A European Journal</i> , 2018 , 24, 10186	4.8	9
112	Tuning Electrochemiluminescence in Multistimuli Responsive Hydrogel Films. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 340-345	6.4	21
111	Correlations between gaseous and liquid phase chemistries induced by cold atmospheric plasmas in a physiological buffer. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 9198-9210	3.6	40
110	Eosin-Mediated Alkylsulfonyl Cyanation of Olefins. <i>Organic Letters</i> , 2018 , 20, 4521-4525	6.2	22
109	A snapshot of the electrochemical reaction layer by using 3 dimensionally resolved fluorescence mapping. <i>Chemical Science</i> , 2018 , 9, 6622-6628	9.4	10
108	Activation of the TRPV1 Thermoreceptor Induced by Modulated or Unmodulated 1800 MHz Radiofrequency Field Exposure. <i>Radiation Research</i> , 2018 , 189, 95-103	3.1	2
107	Enhanced annihilation electrochemiluminescence by nanofluidic confinement. <i>Chemical Science</i> , 2018 , 9, 8946-8950	9.4	20
106	Potential-Induced Fine-Tuning of the Enantioaffinity of Chiral Metal Phases. <i>Angewandte Chemie</i> , 2018 , 131, 3509	3.6	1
105	Surface-Confined Electrochemiluminescence Microscopy of Cell Membranes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 14753-14760	16.4	144
104	Applications of Electrogenenerated Chemiluminescence in Analytical Chemistry 2017 , 257-291		6
103	Full-Spectral Multiplexing of Bioluminescence Resonance Energy Transfer in Three TRPV Channels. <i>Biophysical Journal</i> , 2017 , 112, 87-98	2.9	11
102	Co(iii) complexes of (1,3-selenazol-2-yl)hydrazones and their sulphur analogues. <i>Dalton Transactions</i> , 2017 , 46, 2910-2924	4.3	16
101	Efficient Annihilation Electrochemiluminescence of Cationic Helicene Luminophores. <i>ChemElectroChem</i> , 2017 , 4, 1750-1756	4.3	14
100	Spatially-resolved multicolor bipolar electrochemiluminescence. <i>Electrochemistry Communications</i> , 2017 , 77, 10-13	5.1	34
99	Nano-structured optical fiber bundles for remote SPR detection: a first step toward in vivo biomolecular analysis 2017 ,		1
98	Capillary-assisted bipolar electrochemistry: A focused mini review. <i>Electrophoresis</i> , 2017 , 38, 2687-2694	3.6	15

97	Bright Electrochemiluminescence Tunable in the Near-Infrared of Chiral Cationic Helicene Chromophores. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 785-792	3.8	18
96	Wireless Light-Emitting Electrochemical Rotors. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 4930-4934	6.4	12
95	Single Cell Electrochemiluminescence Imaging: From the Proof-of-Concept to Disposable Device-Based Analysis. <i>Journal of the American Chemical Society</i> , 2017 , 139, 16830-16837	16.4	147
94	Two-Dimensional Electrochemiluminescence: Light Emission Confined at the Oil-Water Interface in Emulsions Stabilized by Luminophore-Grafted Microgels. <i>Langmuir</i> , 2017 , 33, 7231-7238	4	8
93	PDMS microwells for multi-parametric monitoring of single mitochondria on a large scale: a study of their individual membrane potential and endogenous NADH. <i>Integrative Biology (United Kingdom)</i> , 2016 , 8, 836-43	3.7	9
92	Bright Electrogenenerated Chemiluminescence of a Bis-Donor Quadrupolar Spirofluorene Dye and Its Nanoparticles. <i>Chemistry - A European Journal</i> , 2016 , 22, 12702-14	4.8	21
91	Physicochemical and Electronic Properties of Cationic [6]Helicenes: from Chemical and Electrochemical Stabilities to Far-Red (Polarized) Luminescence. <i>Chemistry - A European Journal</i> , 2016 , 22, 18394-18403	4.8	44
90	Physicochemical and Electronic Properties of Cationic [6]Helicenes: from Chemical and Electrochemical Stabilities to Far-Red (Polarized) Luminescence. <i>Chemistry - A European Journal</i> , 2016 , 22, 18273-18273	4.8	
89	Wireless Synthesis and Activation of Electrochemiluminescent Thermoresponsive Janus Objects Using Bipolar Electrochemistry. <i>Langmuir</i> , 2016 , 32, 12995-13002	4	26
88	Deciphering the Platinized Surface Reactivity to Improve the Detection of Hydrogen Peroxide in Bioanalyses. <i>ChemElectroChem</i> , 2016 , 3, 2288-2296	4.3	5
87	Combined local anodization of titanium and scanning photoelectrochemical mapping of TiO ₂ spot arrays. <i>Electrochimica Acta</i> , 2016 , 222, 84-91	6.7	7
86	Essential Role of Electrode Materials in Electrochemiluminescence Applications. <i>ChemElectroChem</i> , 2016 , 3, 1990-1997	4.3	92
85	Dual-Color Electrogenenerated Chemiluminescence from Dispersions of Conductive Microbeads Addressed by Bipolar Electrochemistry. <i>ChemElectroChem</i> , 2016 , 3, 404-409	4.3	16
84	Saccharide-induced modulation of photoluminescence lifetime in microgels. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 16812-21	3.6	6
83	Double remote electrochemical addressing and optical readout of electrochemiluminescence at the tip of an optical fiber. <i>Analyst, The</i> , 2016 , 141, 4299-304	5	11
82	Generation of electrochemiluminescence at bipolar electrodes: concepts and applications. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 7003-11	4.4	56
81	Dual Enzymatic Detection by Bulk Electrogenenerated Chemiluminescence. <i>Analytical Chemistry</i> , 2016 , 88, 6585-92	7.8	39
80	Microscopic imaging and tuning of electrogenerated chemiluminescence with boron-doped diamond nanoelectrode arrays. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 7085-94	4.4	36

79	Electric fields for generating unconventional motion of small objects. <i>Current Opinion in Colloid and Interface Science</i> , 2016 , 21, 57-64	7.6	52
78	Frontispiece: Bright Electrogenerated Chemiluminescence of a Bis-Donor Quadrupolar Spirofluorene Dye and Its Nanoparticles. <i>Chemistry - A European Journal</i> , 2016 , 22,	4.8	1
77	Selective electrochemiluminescent sensing of saccharides using boronic acid-modified coreactant. <i>Chemical Communications</i> , 2016 , 52, 12845-12848	5.8	15
76	Antagonistic effects leading to turn-on electrochemiluminescence in thermoresponsive hydrogel films. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 32697-32702	3.6	12
75	Formation of reactive nitrogen species including peroxyxynitrite in physiological buffer exposed to cold atmospheric plasma. <i>RSC Advances</i> , 2016 , 6, 78457-78467	3.7	9 ¹
74	Shearforce positioning of nanoprobe electrode arrays for scanning electrochemical microscopy experiments. <i>Electrochimica Acta</i> , 2015 , 179, 45-56	6.7	12
73	3D electrogenerated chemiluminescence: from surface-confined reactions to bulk emission. <i>Chemical Science</i> , 2015 , 6, 4433-4437	9.4	64
72	Effects of 50 Hz magnetic fields on gap junctional intercellular communication in NIH3T3 cells. <i>Bioelectromagnetics</i> , 2015 , 36, 287-93	1.6	2
71	Differential Photoluminescent and Electrochemiluminescent Behavior for Resonance Energy Transfer Processes in Thermoresponsive Microgels. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 12954-613-4	3.4	17
70	A Sensitive Electrochemiluminescence Immunosensor for Celiac Disease Diagnosis Based on Nanoelectrode Ensembles. <i>Analytical Chemistry</i> , 2015 , 87, 12080-7	7.8	54
69	Electrogenerated Chemiluminescence of Cationic Triangulene Dyes: Crucial Influence of the Core Heteroatoms. <i>Chemistry - A European Journal</i> , 2015 , 21, 19243-9	4.8	18
68	Optical microwell arrays for large-scale studies of single mitochondria metabolic responses. <i>Methods in Molecular Biology</i> , 2015 , 1264, 47-58	1.4	3
67	Electrochemical monitoring of the early events of hydrogen peroxide production by mitochondria. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6655-8	16.4	21
66	Mapping electrogenerated chemiluminescence reactivity in space: mechanistic insight into model systems used in immunoassays. <i>Chemical Science</i> , 2014 , 5, 2568-2572	9.4	13 ⁰
65	Electrochemiluminescent swimmers for dynamic enzymatic sensing. <i>Chemical Communications</i> , 2014 , 50, 10202-5	5.8	59
64	Enhanced Detection of Hydrogen Peroxide with Platinized Microelectrode Arrays for Analyses of Mitochondria Activities. <i>Electrochimica Acta</i> , 2014 , 126, 171-178	6.7	21
63	Electrochemical Monitoring of the Early Events of Hydrogen Peroxide Production by Mitochondria. <i>Angewandte Chemie</i> , 2014 , 126, 6773-6776	3.6	4
62	Lighting Up Redox Propulsion with Luminol Electrogenerated Chemiluminescence. <i>ChemElectroChem</i> , 2014 , 1, 95-98	4.3	3 ⁶

61	Optical microwell array for large scale studies of single mitochondria metabolic responses. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 931-41	4.4	8
60	Monitoring metabolic responses of single mitochondria within poly(dimethylsiloxane) wells: study of their endogenous reduced nicotinamide adenine dinucleotide evolution. <i>Analytical Chemistry</i> , 2013 , 85, 5146-52	7.8	9
59	Electrochemical detection of single microbeads manipulated by optical tweezers in the vicinity of ultramicroelectrodes. <i>Analytical Chemistry</i> , 2013 , 85, 8902-9	7.8	10
58	Photochemical functionalisation of optical nanotips with a rhodamine chemosensor for remote through-fiber detection of Hg ²⁺ . <i>RSC Advances</i> , 2013 , 3, 24140	3.7	4
57	Enhanced electrogenerated chemiluminescence in thermoresponsive microgels. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5517-20	16.4	65
56	Fiber-Optic Biosensors 2013 , 335-351		
55	Electrochemiluminescent polymer films with a suitable redox "turn-off" absorbance window for remote selective sensing of Hg ²⁺ . <i>Analyst, The</i> , 2013 , 138, 4500-4	5	9
54	Bipolar electrochemistry: from materials science to motion and beyond. <i>Accounts of Chemical Research</i> , 2013 , 46, 2513-23	24.3	278
53	Functionalization of optical nanotip arrays with an electrochemical microcantilever for multiplexed DNA detection. <i>Lab on A Chip</i> , 2013 , 13, 2956-62	7.2	8
52	Oxygen Plasma Treatment of Platinized Ultramicroelectrodes Increases Sensitivity for Hydrogen Peroxide Detection on Mitochondria. <i>Electroanalysis</i> , 2013 , 25, 656-663	3	11
51	Light-Emitting Electrochemical Swimmers <i>Angewandte Chemie</i> , 2012 , 124, 11446-11450	3.6	16
50	Light-emitting electrochemical "swimmers". <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11284-86.4	86.4	81
49	Fast and easy enzyme immobilization by photoinitiated polymerization for efficient bioelectrochemical devices. <i>Analytical Chemistry</i> , 2011 , 83, 2824-8	7.8	10
48	Kinetic investigations of the electrochemical bromination of peracetylated d-glucal in organic solvents. <i>Electrochimica Acta</i> , 2011 , 56, 9968-9972	6.7	1
47	Glucose sensing by electrogenerated chemiluminescence of glucose-dehydrogenase produced NADH on electrodeposited redox hydrogel. <i>Bioelectrochemistry</i> , 2011 , 82, 63-8	5.6	18
46	Photopatterning of ultrathin electrochemiluminescent redox hydrogel films. <i>Chemical Communications</i> , 2011 , 47, 9125-7	5.8	11
45	Opto-electrochemical nanosensor array for remote DNA detection. <i>Analyst, The</i> , 2011 , 136, 327-31	5	10
44	Fluorescence correlation spectroscopy on nano-fakir surfaces 2010 ,		1

43	Soft mechanochemical synthesis of MgFe ₂ O ₄ nanoparticles from the mixture of Fe ₂ O ₃ with Mg(OH) ₂ and Fe(OH) ₃ with Mg(OH) ₂ . <i>Materials Science and Technology</i> , 2010 , 26, 968-974	1.5	10
42	Lithography by Scanning Electrochemical Microscopy with a multiscaled electrode. <i>Analytical Chemistry</i> , 2010 , 82, 5169-75	7.8	22
41	Nanostructured optical fibre arrays for high-density biochemical sensing and remote imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 53-71	4.4	48
40	Electrochemiluminescence of loaded in Nafion Langmuir-Blodgett films: Role of the interfacial ultrathin film. <i>Journal of Electroanalytical Chemistry</i> , 2010 , 640, 35-41	4.1	41
39	Electrochemical bromination of peracetylated d-glucal: Effect of DMSO on chemoselectivity. <i>Electrochimica Acta</i> , 2010 , 55, 965-969	6.7	7
38	Fabrication of a Macroporous Microwell Array for Surface-Enhanced Raman Scattering. <i>Advanced Functional Materials</i> , 2009 , 19, 3129-3135	15.6	39
37	Differential photoluminescent and electrochemiluminescent detection of anions with a modified ruthenium(II)-bipyridyl complex. <i>Chemistry - A European Journal</i> , 2009 , 15, 5145-52	4.8	49
36	Mechanochemical synthesis of stoichiometric MgFe ₂ O ₄ spinel. <i>Journal of Materials Science: Materials in Electronics</i> , 2009 , 20, 782-787	2.1	11
35	Electrogenerated chemiluminescence in an electrodeposited redox hydrogel. <i>Electrochemistry Communications</i> , 2009 , 11, 599-602	5.1	7
34	Multiplex-Localized Enhanced Raman Scattering from a Nanostructured Optical Fiber Array. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 874-881	3.8	33
33	Optical-fiber-microsphere for remote fluorescence correlation spectroscopy. <i>Optics Express</i> , 2009 , 17, 19085-92	3.3	41
32	Remote surface enhanced Raman spectroscopy imaging via a nanostructured optical fiber bundle. <i>Optics Express</i> , 2009 , 17, 24030-5	3.3	20
31	Multiplexed sandwich immunoassays using electrochemiluminescence imaging resolved at the single bead level. <i>Journal of the American Chemical Society</i> , 2009 , 131, 6088-9	16.4	188
30	Epifluorescence imaging of electrochemically switchable Langmuir-Blodgett films of Nafion. <i>Langmuir</i> , 2008 , 24, 6367-74	4	31
29	Ultrasharp optical-fiber nanoprobe array for Raman local-enhancement imaging. <i>Small</i> , 2008 , 4, 96-9	11	54
28	Electrochemical Bromination of Peracetylated Glycols. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 29-34	5.6	11
27	A new technique to in vivo study the corneocyte features at the surface of the skin. <i>Skin Research and Technology</i> , 2008 , 14, 468-71	1.9	9
26	Optimized carbon nanotube fiber microelectrodes as potential analytical tools. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 389, 499-505	4.4	33

25	Remote in vivo imaging of human skin corneocytes by means of an optical fiber bundle. <i>Review of Scientific Instruments</i> , 2007 , 78, 053709	1.7	9
24	Optical tweezers in interaction with an apertureless probe. <i>Journal of Applied Physics</i> , 2007 , 102, 024915	2.5	2
23	Macroporous ultramicroelectrodes for improved electroanalytical measurements. <i>Analytical Chemistry</i> , 2007 , 79, 533-9	7.8	133
22	Carbon nanotube fiber microelectrodes: design, characterization, and optimization. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 3373-7	1.3	14
21	Mapping electrochemiluminescence as generated at double-band microelectrodes by confocal microscopy under steady state. <i>ChemPhysChem</i> , 2006 , 7, 1322-7	3.2	41
20	Development of an ordered microarray of electrochemiluminescent nanosensors. <i>Measurement Science and Technology</i> , 2006 , 17, 1211-1219	2	5
19	Remote NADH imaging through an ordered array of electrochemiluminescent nanoapertures. <i>Bioelectrochemistry</i> , 2006 , 69, 25-33	5.6	17
18	Microarrays of near-field optical probes with adjustable dimensions. <i>Ultramicroscopy</i> , 2006 , 106, 57-65	3.1	5
17	Electrochemical modulation of remote fluorescence imaging at an ordered opto-electrochemical nanoaperture array. <i>ChemPhysChem</i> , 2004 , 5, 1125-32	3.2	10
16	Electrochemiluminescent detection of hydrogen peroxide with an imaging sensor array. <i>Electrochimica Acta</i> , 2004 , 49, 3751-3757	6.7	34
15	Development of an ordered array of optoelectrochemical individually readable sensors with submicrometer dimensions: application to remote electrochemiluminescence imaging. <i>Analytical Chemistry</i> , 2004 , 76, 357-64	7.8	67
14	Fabrication, Characterization, and Far-Field Optical Properties of an Ordered Array of Nanoapertures. <i>Nano Letters</i> , 2004 , 4, 1965-1968	11.5	21
13	Electrochemical Removal of Metal Cations from Wastewater Monitored by Differential Pulse Polarography. <i>Journal of Chemical Education</i> , 2004 , 81, 255	2.4	6
12	Remote fluorescence imaging of dynamic concentration profiles with micrometer resolution using a coherent optical fiber bundle. <i>Analytical Chemistry</i> , 2004 , 76, 7202-10	7.8	30
11	Oxidative stress in cancer prone xeroderma pigmentosum fibroblasts. Real-time and single cell monitoring of superoxide and nitric oxide production with microelectrodes. <i>Carcinogenesis</i> , 2004 , 25, 509-15	4.6	49
10	Fabrication of a Sub-Micrometer Electrode Array: Electrochemical Characterization and Mapping of an Electroactive Species by Confocal Raman Microspectroscopy. <i>Electroanalysis</i> , 2003 , 15, 548-555	3	27
9	A Simple Student Experiment for Teaching Surface Electrochemistry: Adsorption of Polyoxometalate on Graphite Electrodes. <i>Journal of Chemical Education</i> , 2002 , 79, 349	2.4	33
8	A fluorescence-based imaging-fiber electrode chemical sensor for hydrogen peroxide. <i>Analytica Chimica Acta</i> , 2000 , 404, 213-221	6.6	36

7	Nitrogen monoxide and oxidative stress: composition and intensity of cellular oxidative bursts cocktail. A study through artificial electrochemical synapses on single human fibroblasts. <i>Analisis - European Journal of Analytical Chemistry</i> , 2000 , 28, 506-517		15
6	Amplification of the inflammatory cellular redox state by human immunodeficiency virus type 1-immunosuppressive tat and gp160 proteins. <i>Journal of Virology</i> , 1999 , 73, 1447-52	6.6	32
5	Ultramicroelectrodes: Their Use in Semi-Artificial Synapses 1998 , 409-412		
4	Activation of the NADPH oxidase in human fibroblasts by mechanical intrusion of a single cell with an ultramicroelectrode. <i>Carcinogenesis</i> , 1997 , 18, 569-74	4.6	45
3	Phenylarsine oxide inhibits ex vivo HIV-1 expression. <i>Biomedicine and Pharmacotherapy</i> , 1997 , 51, 430-8	7.5	12
2	Bipolar Electrochemistry1-53		2
1	Anti-Stokes photoinduced electrochemiluminescence at a photocathode. <i>Chemical Communications</i> ,	5.8	0