

Sabine Szunerits

List of Publications by Year in descending order

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428
papers

18,797
citations

12330

69
h-index

30922

102
g-index

440
all docs

440
docs citations

440
times ranked

22462
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface plasmon resonance-based biosensors: From the development of different SPR structures to novel surface functionalization strategies. <i>Current Opinion in Solid State and Materials Science</i> , 2011, 15, 208-224.	11.5	295
2	Preparation of Superhydrophobic Coatings on Zinc as Effective Corrosion Barriers. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1150-1153.	8.0	285
3	Sensing using localised surface plasmon resonance sensors. <i>Chemical Communications</i> , 2012, 48, 8999.	4.1	266
4	Cu-Ag bimetallic nanoparticles on reduced graphene oxide nanosheets as peroxidase mimic for glucose and ascorbic acid detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 842-851.	7.8	259
5	Facile synthesis of fluorinated polydopamine/chitosan/reduced graphene oxide composite aerogel for efficient oil/water separation. <i>Chemical Engineering Journal</i> , 2017, 326, 17-28.	12.7	255
6	Antibacterial activity of graphene-based materials. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6892-6912.	5.8	246
7	Polyurethane sponge functionalized with superhydrophobic nanodiamond particles for efficient oil/water separation. <i>Chemical Engineering Journal</i> , 2017, 307, 319-325.	12.7	237
8	Functional Carbon Quantum Dots as Medical Countermeasures to Human Coronavirus. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42964-42974.	8.0	231
9	Recent advances in the development of graphene-based surface plasmon resonance (SPR) interfaces. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 1435-1443.	3.7	191
10	Carbon-based quantum particles: an electroanalytical and biomedical perspective. <i>Chemical Society Reviews</i> , 2019, 48, 4281-4316.	38.1	187
11	Reduction and Functionalization of Graphene Oxide Sheets Using Biomimetic Dopamine Derivatives in One Step. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 1016-1020.	8.0	182
12	Different strategies for functionalization of diamond surfaces. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 1205-1218.	2.5	180
13	Electrochemical Methodologies for the Detection of Pathogens. <i>ACS Sensors</i> , 2018, 3, 1069-1086.	7.8	178
14	Recent advances in surface chemistry strategies for the fabrication of functional iron oxide based magnetic nanoparticles. <i>Nanoscale</i> , 2013, 5, 10729.	5.6	164
15	Reduced graphene oxide decorated with Co ₃ O ₄ nanoparticles (rGO-Co ₃ O ₄) nanocomposite: A reusable catalyst for highly efficient reduction of 4-nitrophenol, and Cr(VI) and dye removal from aqueous solutions. <i>Chemical Engineering Journal</i> , 2017, 322, 375-384.	12.7	160
16	Reduced graphene oxide nanosheets decorated with Au, Pd and Au@Pd bimetallic nanoparticles as highly efficient catalysts for electrochemical hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20254-20266.	10.3	146
17	Gold-graphene nanocomposites for sensing and biomedical applications. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4301-4324.	5.8	144
18	Preparation of magnetic, superhydrophobic/superoleophilic polyurethane sponge: Separation of oil/water mixture and demulsification. <i>Chemical Engineering Journal</i> , 2020, 384, 123339.	12.7	144

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19	The real meaning of Nernst's steady diffusion layer concept under non-forced hydrodynamic conditions. A simple model based on Levich's seminal view of convection. <i>Journal of Electroanalytical Chemistry</i> , 2001, 500, 62-70.	3.8	140
20	The synthesis of citrate-modified silver nanoparticles in an aqueous suspension of graphene oxide nanosheets and their antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 105, 128-136.	5.0	137
21	Green chemistry approach for the synthesis of ZnO-carbon dots nanocomposites with good photocatalytic properties under visible light. <i>Journal of Colloid and Interface Science</i> , 2016, 465, 286-294.	9.4	137
22	Silicon Nanowires Coated with Silver Nanostructures as Ultrasensitive Interfaces for Surface-Enhanced Raman Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1396-1403.	8.0	133
23	Preparation of reduced graphene oxide-Ni(OH) ₂ composites by electrophoretic deposition: application for non-enzymatic glucose sensing. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5525-5533.	10.3	128
24	Lysozyme detection on aptamer functionalized graphene-coated SPR interfaces. <i>Biosensors and Bioelectronics</i> , 2013, 50, 239-243.	10.1	125
25	Iron oxide magnetic nanoparticles with versatile surface functions based on dopamine anchors. <i>Nanoscale</i> , 2013, 5, 2692.	5.6	114
26	MoS ₂ /reduced graphene oxide as active hybrid material for the electrochemical detection of folic acid in human serum. <i>Biosensors and Bioelectronics</i> , 2016, 85, 807-813.	10.1	113
27	High Efficiency of Functional Carbon Nanodots as Entry Inhibitors of Herpes Simplex Virus Type 1. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9004-9013.	8.0	112
28	Core-shell structured reduced graphene oxide wrapped magnetically separable rGO@CuZnO@Fe ₃ O ₄ microspheres as superior photocatalyst for CO ₂ reduction under visible light. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 654-665.	20.2	111
29	Electrochemical Aptamer-Based Biosensors for the Detection of Cardiac Biomarkers. <i>ACS Omega</i> , 2018, 3, 12010-12018.	3.5	111
30	Graphene-based biosensors. <i>Interface Focus</i> , 2018, 8, 20160132.	3.0	110
31	Sensitive electrochemical detection of cardiac troponin I in serum and saliva by nitrogen-doped porous reduced graphene oxide electrode. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 180-187.	7.8	108
32	Highly Sensitive Detection of DNA Hybridization on Commercialized Graphene-Coated Surface Plasmon Resonance Interfaces. <i>Analytical Chemistry</i> , 2014, 86, 11211-11216.	6.5	106
33	Nanostructures for the Inhibition of Viral Infections. <i>Molecules</i> , 2015, 20, 14051-14081.	3.8	104
34	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.	10.1	104
35	Efficient and Durable Oxygen Reduction Electrocatalyst Based on CoMn Alloy Oxide Nanoparticles Supported Over N-Doped Porous Graphene. <i>ACS Catalysis</i> , 2017, 7, 6700-6710.	11.2	104
36	Glycan-functionalized diamond nanoparticles as potent E. coli anti-adhesives. <i>Nanoscale</i> , 2013, 5, 2307.	5.6	102

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37	Ag and Au nanoparticles/reduced graphene oxide composite materials: Synthesis and application in diagnostics and therapeutics. <i>Advances in Colloid and Interface Science</i> , 2019, 271, 101991.	14.7	102
38	Preparation of boron-doped diamond nanowires and their application for sensitive electrochemical detection of tryptophan. <i>Electrochemistry Communications</i> , 2010, 12, 438-441.	4.7	101
39	Preparation of reduced graphene oxide/Cu nanoparticle composites through electrophoretic deposition: application for nonenzymatic glucose sensing. <i>RSC Advances</i> , 2015, 5, 15861-15869.	3.6	100
40	Cellular and in vivo toxicity of functionalized nanodiamond in <i>Xenopus</i> embryos. <i>Journal of Materials Chemistry</i> , 2010, 20, 8064.	6.7	98
41	Enhanced antibacterial activity of carbon dots functionalized with ampicillin combined with visible light triggered photodynamic effects. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 347-354.	5.0	98
42	Direct Functionalization of Nanodiamond Particles Using Dopamine Derivatives. <i>Langmuir</i> , 2011, 27, 12451-12457.	3.5	94
43	Magnetic polyurethane sponge for efficient oil adsorption and separation of oil from oil-in-water emulsions. <i>Separation and Purification Technology</i> , 2020, 240, 116627.	7.9	93
44	How the Intricate Interactions between Carbon Nanotubes and Two Bilirubin Oxidases Control Direct and Mediated O_2 Reduction. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23074-23085.	8.0	91
45	PMS activation using reduced graphene oxide under sonication: Efficient metal-free catalytic system for the degradation of rhodamine B, bisphenol A, and tetracycline. <i>Ultrasonics Sonochemistry</i> , 2019, 52, 164-175.	8.2	89
46	NiFe layered double hydroxide electrodeposited on Ni foam coated with reduced graphene oxide for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2019, 302, 1-9.	5.2	89
47	Plasmonic photothermal destruction of uropathogenic <i>E. coli</i> with reduced graphene oxide and core/shell nanocomposites of gold nanorods/reduced graphene oxide. <i>Journal of Materials Chemistry B</i> , 2015, 3, 375-386.	5.8	88
48	Photochemical oxidation of hydrogenated boron-doped diamond surfaces. <i>Electrochemistry Communications</i> , 2005, 7, 937-940.	4.7	86
49	Reduced graphene oxide/polyethylenimine based immunosensor for the selective and sensitive electrochemical detection of uropathogenic <i>Escherichia coli</i> . <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 255-263.	7.8	86
50	Gold island films on indium tin oxide for localized surface plasmon sensing. <i>Nanotechnology</i> , 2008, 19, 195712.	2.6	84
51	Surface plasmon resonance: signal amplification using colloidal gold nanoparticles for enhanced sensitivity. <i>Reviews in Analytical Chemistry</i> , 2014, 33, .	3.2	83
52	Nucleic aptamer modified porous reduced graphene oxide/MoS ₂ based electrodes for viral detection: Application to human papillomavirus (HPV). <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 991-1000.	7.8	82
53	Functionalization of Azide-Terminated Silicon Surfaces with Glycans Using Click Chemistry: XPS and FTIR Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 368-375.	3.1	81
54	Solvothermal synthesis of CoS/reduced porous graphene oxide nanocomposite for selective colorimetric detection of Hg(II) ion in aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 684-692.	7.8	80

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55	Magnetically driven superhydrophobic/superoleophilic graphene-based polyurethane sponge for highly efficient oil/water separation and demulsification. <i>Separation and Purification Technology</i> , 2021, 274, 118931.	7.9	80
56	Comparison of the chemical composition of boron-doped diamond surfaces upon different oxidation processes. <i>Electrochimica Acta</i> , 2009, 54, 5818-5824.	5.2	79
57	Heat: A Highly Efficient Skin Enhancer for Transdermal Drug Delivery. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 15.	4.1	79
58	Preparation of Superhydrophobic Coatings on Zinc, Silicon, and Steel by a Solution-Immersion Technique. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 2086-2091.	8.0	78
59	One-pot synthesis of gold nanoparticle/molybdenum cluster/graphene oxide nanocomposite and its photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2013, 130-131, 270-276.	20.2	78
60	Graphene oxide chemically reduced and functionalized with KOH-PEI for efficient Cr(VI) adsorption and reduction in acidic medium. <i>Chemosphere</i> , 2020, 258, 127316.	8.2	77
61	Surface Plasmon Resonance Investigation of Silver and Gold Films Coated with Thin Indium Tin Oxide Layers: Influence on Stability and Sensitivity. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15813-15817.	3.1	76
62	Diamond nanowires for highly sensitive matrix-free mass spectrometry analysis of small molecules. <i>Nanoscale</i> , 2012, 4, 231-238.	5.6	75
63	Reduced Graphene-Oxide-Embedded Polymeric Nanofiber Mats: An "On-Demand" Photothermally Triggered Antibiotic Release Platform. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41098-41106.	8.0	75
64	Tip-Enhanced Raman Spectroscopy of Combed Double-Stranded DNA Bundles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1174-1181.	3.1	72
65	Magnetic reduced graphene oxide loaded hydrogels: Highly versatile and efficient adsorbents for dyes and selective Cr(VI) ions removal. <i>Journal of Colloid and Interface Science</i> , 2017, 507, 360-369.	9.4	72
66	Cobalt phthalocyanine-supported reduced graphene oxide: A highly efficient catalyst for heterogeneous activation of peroxymonosulfate for rhodamine B and pentachlorophenol degradation. <i>Chemical Engineering Journal</i> , 2018, 336, 465-475.	12.7	72
67	CoO Promoted the Catalytic Activity of Nitrogen-Doped MoS ₂ Supported on Carbon Fibers for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31889-31898.	8.0	72
68	Functionalization of Diamond Nanoparticles Using "Click" Chemistry. <i>Langmuir</i> , 2010, 26, 13168-13172.	3.5	71
69	Synthesis and photocatalytic activity of iodine-doped ZnO nanoflowers. <i>Journal of Materials Chemistry</i> , 2011, 21, 10982.	6.7	71
70	Silicon nanowire arrays-induced graphene oxide reduction under UV irradiation. <i>Nanoscale</i> , 2011, 3, 4662.	5.6	71
71	Phenylboronic-Acid-Modified Nanoparticles: Potential Antiviral Therapeutics. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12488-12498.	8.0	71
72	Cobalt phthalocyanine tetracarboxylic acid modified reduced graphene oxide: a sensitive matrix for the electrocatalytic detection of peroxyxynitrite and hydrogen peroxide. <i>RSC Advances</i> , 2015, 5, 1474-1484.	3.6	70

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73	Plasmonic photothermal cancer therapy with gold nanorods/reduced graphene oxide core/shell nanocomposites. <i>RSC Advances</i> , 2016, 6, 1600-1610.	3.6	70
74	Photothermally triggered on-demand insulin release from reduced graphene oxide modified hydrogels. <i>Journal of Controlled Release</i> , 2017, 246, 164-173.	9.9	70
75	Magnetic Fe ₃ O ₄ @V ₂ O ₅ /rGO nanocomposite as a recyclable photocatalyst for dye molecules degradation under direct sunlight irradiation. <i>Chemosphere</i> , 2018, 191, 503-513.	8.2	70
76	Nucleosides and ODN electrochemical detection onto boron doped diamond electrodes. <i>Bioelectrochemistry</i> , 2004, 63, 303-306.	4.6	69
77	Nanodiamond particles/reduced graphene oxide composites as efficient supercapacitor electrodes. <i>Carbon</i> , 2014, 68, 175-184.	10.3	69
78	N-doped porous reduced graphene oxide as an efficient electrode material for high performance flexible solid-state supercapacitor. <i>Applied Materials Today</i> , 2017, 8, 141-149.	4.3	69
79	Preparation and Characterization of Thin Films of SiO _x on Gold Substrates for Surface Plasmon Resonance Studies. <i>Langmuir</i> , 2006, 22, 1660-1663.	3.5	68
80	Simultaneous electrochemical detection of tryptophan and tyrosine using boron-doped diamond and diamond nanowire electrodes. <i>Electrochemistry Communications</i> , 2013, 35, 84-87.	4.7	67
81	Preparation of silver nanoparticles/polydopamine functionalized polyacrylonitrile fiber paper and its catalytic activity for the reduction 4-nitrophenol. <i>Applied Surface Science</i> , 2017, 411, 163-169.	6.1	67
82	Label-Free Detection of Lectins on Carbohydrate-Modified Boron-Doped Diamond Surfaces. <i>Analytical Chemistry</i> , 2010, 82, 8203-8210.	6.5	66
83	Photocatalytic activity of silicon nanowires under UV and visible light irradiation. <i>Chemical Communications</i> , 2011, 47, 991-993.	4.1	65
84	Graphene-Coated Surface Plasmon Resonance Interfaces for Studying the Interactions between Bacteria and Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5422-5431.	8.0	65
85	Efficient detoxification of Cr(VI)-containing effluents by sequential adsorption and reduction using a novel cysteine-doped PANi@faujasite composite: Experimental study supported by advanced statistical physics prediction. <i>Journal of Hazardous Materials</i> , 2022, 422, 126857.	12.4	65
86	Sensitive sugar detection using 4-aminophenylboronic acid modified graphene. <i>Biosensors and Bioelectronics</i> , 2013, 50, 331-337.	10.1	64
87	A facile preparation of CuS-BSA nanocomposite as enzyme mimics: Application for selective and sensitive sensing of Cr(VI) ions. <i>Sensors and Actuators B: Chemical</i> , 2019, 294, 253-262.	7.8	64
88	Transdermal skin patch based on reduced graphene oxide: A new approach for photothermal triggered permeation of ondansetron across porcine skin. <i>Journal of Controlled Release</i> , 2017, 245, 137-146.	9.9	63
89	Functionalization of Reduced Graphene Oxide via Thiol-Maleimide Click-Chemistry: Facile Fabrication of Targeted Drug Delivery Vehicles. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34194-34203.	8.0	63
90	CuS Decorated Functionalized Reduced Graphene Oxide: A Dual Responsive Nanozyme for Selective Detection and Photoreduction of Cr(VI) in an Aqueous Medium. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16131-16143.	6.7	63

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91	Preanalytical Issues and Cycle Threshold Values in SARS-CoV-2 Real-Time RT-PCR Testing: Should Test Results Include These?. ACS Omega, 2021, 6, 6528-6536.	3.5	63
92	Nanomaterials for transdermal drug delivery: beyond the state of the art of liposomal structures. Journal of Materials Chemistry B, 2017, 5, 8653-8675.	5.8	62
93	Reduced graphene oxide-based field effect transistors for the detection of E7 protein of human papillomavirus in saliva. Analytical and Bioanalytical Chemistry, 2021, 413, 779-787.	3.7	62
94	New Approach to Writing and Simultaneous Reading of Micropatterns: Combining Surface Plasmon Resonance Imaging with Scanning Electrochemical Microscopy (SECM). Langmuir, 2004, 20, 9236-9241.	3.5	60
95	Non-enzymatic glucose sensing on long and short diamond nanowire electrodes. Electrochemistry Communications, 2013, 34, 286-290.	4.7	60
96	Localized surface plasmon-enhanced fluorescence spectroscopy for highly-sensitive real-time detection of DNA hybridization. Biosensors and Bioelectronics, 2010, 25, 2579-2585.	10.1	59
97	Preparation of graphene/tetrathiafulvalene nanocomposite switchable surfaces. Chemical Communications, 2012, 48, 1221-1223.	4.1	59
98	Antibacterial Applications of Nanodiamonds. International Journal of Environmental Research and Public Health, 2016, 13, 413.	2.6	59
99	Influence of the surface termination on the electrochemical properties of boron-doped diamond (BDD) interfaces. Electrochemistry Communications, 2008, 10, 402-406.	4.7	58
100	Reactivity of CoCrMo alloy in physiological medium: Electrochemical characterization of the metal/protein interface. Electrochimica Acta, 2008, 53, 4461-4469.	5.2	58
101	Surface Plasmon Resonance based sensing of lysozyme in serum on Micrococcus lysodeikticus-modified graphene oxide surfaces. Biosensors and Bioelectronics, 2017, 89, 525-531.	10.1	58
102	Direct amination of hydrogen-terminated boron doped diamond surfaces. Electrochemistry Communications, 2006, 8, 1185-1190.	4.7	57
103	Comparison of different oxidation techniques on single-crystal and nanocrystalline diamond surfaces. Diamond and Related Materials, 2010, 19, 474-478.	3.9	57
104	Reduced Graphene Oxide Modified Electrodes for Sensitive Sensing of Gliadin in Food Samples. ACS Sensors, 2016, 1, 1462-1470.	7.8	57
105	Toxicity effect of graphene oxide on growth and photosynthetic pigment of the marine alga Picochlorum sp. during different growth stages. Environmental Science and Pollution Research, 2017, 24, 4144-4152.	5.3	57
106	Aluminum Surface Corrosion and the Mechanism of Inhibitors Using pH and Metal Ion Selective Imaging Fiber Bundles. Analytical Chemistry, 2002, 74, 886-894.	6.5	56
107	Approach for Plasmonic Based DNA Sensing: Amplification of the Wavelength Shift and Simultaneous Detection of the Plasmon Modes of Gold Nanostructures. Analytical Chemistry, 2013, 85, 3288-3296.	6.5	56
108	Mediated electrochemical detection of catechol by tyrosinase-based poly(dicarbazole) electrodes. Journal of Proteomics, 2001, 50, 65-77.	2.4	55

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109	Short- and Long-Range Sensing on Gold Nanostructures, Deposited on Glass, Coated with Silicon Oxide Films of Different Thicknesses. <i>Journal of Physical Chemistry C</i> , 2008, 112, 8239-8243.	3.1	55
110	Thiol-yne Reaction on Boron-Doped Diamond Electrodes: Application for the Electrochemical Detection of DNA-DNA Hybridization Events. <i>Analytical Chemistry</i> , 2012, 84, 194-200.	6.5	55
111	Oxidative Burst-Dependent NETosis Is Implicated in the Resolution of Necrosis-Associated Sterile Inflammation. <i>Frontiers in Immunology</i> , 2016, 7, 557.	4.8	55
112	Facile preparation of high density polyethylene superhydrophobic/superoleophilic coatings on glass, copper and polyurethane sponge for self-cleaning, corrosion resistance and efficient oil/water separation. <i>Journal of Colloid and Interface Science</i> , 2018, 525, 76-85.	9.4	55
113	Electrochemical cardiovascular platforms: Current state of the art and beyond. <i>Biosensors and Bioelectronics</i> , 2019, 131, 287-298.	10.1	55
114	Anti-MRSA Activities of Enterocins DD28 and DD93 and Evidences on Their Role in the Inhibition of Biofilm Formation. <i>Frontiers in Microbiology</i> , 2016, 7, 817.	3.5	54
115	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.	10.1	54
116	Nickel oxide nanoparticles grafted on reduced graphene oxide (rGO/NiO) as efficient photocatalyst for reduction of nitroaromatics under visible light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 336, 198-207.	3.9	54
117	Mapping concentration profiles within the diffusion layer of an electrode. <i>Electrochemistry Communications</i> , 2000, 2, 353-358.	4.7	53
118	Electrochemical impedance spectroscopy of ZnO nanostructures. <i>Electrochemistry Communications</i> , 2009, 11, 945-949.	4.7	53
119	A 980 nm driven photothermal ablation of virulent and antibiotic resistant Gram-positive and Gram-negative bacteria strains using Prussian blue nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2016, 480, 63-68.	9.4	53
120	Copper oxide supported on three-dimensional ammonia-doped porous reduced graphene oxide prepared through electrophoretic deposition for non-enzymatic glucose sensing. <i>Electrochimica Acta</i> , 2017, 224, 346-354.	5.2	53
121	Stability of the Gold/Silica Thin Film Interface: Electrochemical and Surface Plasmon Resonance Studies. <i>Langmuir</i> , 2006, 22, 10716-10722.	3.5	52
122	Controllable growth of durable superhydrophobic coatings on a copper substrate via electrodeposition. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10871-10880.	2.8	52
123	Inhibition of type 1 fimbriae-mediated <i>Escherichia coli</i> adhesion and biofilm formation by trimeric cluster thiomannosides conjugated to diamond nanoparticles. <i>Nanoscale</i> , 2015, 7, 2325-2335.	5.6	52
124	Glucose-Derived Porous Carbon-Coated Silicon Nanowires as Efficient Electrodes for Aqueous Micro-Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4298-4302.	8.0	51
125	Fabrication of an Optoelectrochemical Microring Array. <i>Analytical Chemistry</i> , 2002, 74, 1718-1723.	6.5	50
126	Spatially Resolved Electrochemiluminescence on an Array of Electrode Tips. <i>Analytical Chemistry</i> , 2003, 75, 4382-4388.	6.5	50

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127	Electrochemical investigation of gold/silica thin film interfaces for electrochemical surface plasmon resonance studies. <i>Electrochemistry Communications</i> , 2006, 8, 439-444.	4.7	50
128	Synthesis and Luminescence Properties of (N-Doped) ZnO Nanostructures from a Dimethylformamide Aqueous Solution. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13643-13650.	3.1	50
129	Selective Adhesion of <i>Bacillus cereus</i> Spores on Heterogeneously Wetted Silicon Nanowires. <i>Langmuir</i> , 2010, 26, 3479-3484.	3.5	50
130	Repeated photoporation with graphene quantum dots enables homogeneous labeling of live cells with extrinsic markers for fluorescence microscopy. <i>Light: Science and Applications</i> , 2018, 7, 47.	16.6	50
131	Bioinspired Anchorable Thiol-Reactive Polymers: Synthesis and Applications Toward Surface Functionalization of Magnetic Nanoparticles. <i>Macromolecules</i> , 2014, 47, 5124-5134.	4.8	49
132	Nanodiamond-PMO for two-photon PDT and drug delivery. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5803-5808.	5.8	49
133	High-Energy Flexible Supercapacitor—Synergistic Effects of Polyhydroquinone and RuO ₂ -xH ₂ O with Microsized, Few-Layered, Self-Supportive Exfoliated-Graphite Sheets. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18349-18360.	8.0	49
134	Core-shell Ni/NiO grafted cobalt (II) complex: An efficient inorganic nanocomposite for photocatalytic reduction of CO ₂ under visible light irradiation. <i>Applied Surface Science</i> , 2019, 467-468, 370-381.	6.1	49
135	Thin chitosan films as a platform for SPR sensing of ferric ions. <i>Analyst</i> , 2008, 133, 673.	3.5	48
136	Distinction between surface hydroxyl and ether groups on boron-doped diamond electrodes using a chemical approach. <i>Electrochemistry Communications</i> , 2010, 12, 351-354.	4.7	48
137	Nanomolar Hydrogen Peroxide Detection Using Horseradish Peroxidase Covalently Linked to Undoped Nanocrystalline Diamond Surfaces. <i>Langmuir</i> , 2012, 28, 587-592.	3.5	48
138	Surface functionalization and biological applications of CVD diamond. <i>MRS Bulletin</i> , 2014, 39, 517-524.	3.5	48
139	Nitro-oxidative species in vivo biosensing: Challenges and advances with focus on peroxynitrite quantification. <i>Biosensors and Bioelectronics</i> , 2014, 58, 359-373.	10.1	48
140	Co ₂ SnO ₄ nanoparticles as a high performance catalyst for oxidative degradation of rhodamine B dye and pentachlorophenol by activation of peroxymonosulfate. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 6569-6578.	2.8	48
141	One-step immersion for fabrication of superhydrophobic/superoleophilic carbon felts with fire resistance: Fast separation and removal of oil from water. <i>Chemical Engineering Journal</i> , 2018, 331, 372-382.	12.7	48
142	Functionalization of Glassy Carbon with Diazonium Salts in Ionic Liquids. <i>Langmuir</i> , 2008, 24, 6327-6333.	3.5	47
143	Mesoporous silica nanoparticles in recent photodynamic therapy applications. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1651-1674.	2.9	47
144	Simultaneous photocatalytic Cr(VI) reduction and phenol degradation over copper sulphide-reduced graphene oxide nanocomposite under visible light irradiation: Performance and reaction mechanism. <i>Chemosphere</i> , 2021, 268, 128798.	8.2	47

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145	Imaging of DNA hybridization on microscopic polypyrrole patterns using scanning electrochemical microscopy (SECM): the HRP bio-catalyzed oxidation of 4-chloro-1-naphthol. <i>Analyst, The</i> , 2006, 131, 186-193.	3.5	46
146	Mapping Electrochemiluminescence as Generated at Double-Band Microelectrodes by Confocal Microscopy under Steady State. <i>ChemPhysChem</i> , 2006, 7, 1322-1327.	2.1	46
147	Comparison of Different Strategies on DNA Chip Fabrication and DNA-Sensing: Optical and Electrochemical Approaches. <i>Electroanalysis</i> , 2005, 17, 2001-2017.	2.9	45
148	Preparation of superhydrophobic and oleophobic diamond nanogras array. <i>Journal of Materials Chemistry</i> , 2010, 20, 10671.	6.7	44
149	Preparation of a Responsive Carbohydrate-Coated Biointerface Based on Graphene/Azido-Terminated Tetrathiafulvalene Nanohybrid Material. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5386-5393.	8.0	44
150	Enhancing LSPR Sensitivity of Au Gratings through Graphene Coupling to Au Film. <i>Plasmonics</i> , 2014, 9, 507-512.	3.4	44
151	Antimicrobial activity of menthol modified nanodiamond particles. <i>Diamond and Related Materials</i> , 2015, 57, 2-8.	3.9	44
152	Electrochemically triggered release of drugs. <i>European Polymer Journal</i> , 2016, 83, 467-477.	5.4	44
153	Effect of high Fe doping on Raman modes and optical properties of hydrothermally prepared SnO ₂ nanoparticles. <i>Materials Science in Semiconductor Processing</i> , 2018, 77, 31-39.	4.0	44
154	Short- and Long-Range Sensing Using Plasmonic Nanostructures: Experimental and Theoretical Studies. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15921-15927.	3.1	43
155	Aptamer-Based Electrochemical Sensing of Lysozyme. <i>Chemosensors</i> , 2016, 4, 10.	3.6	43
156	In vitro Assessment of the Probiotic Properties and Bacteriocinogenic Potential of <i>Pediococcus pentosaceus</i> MZF16 Isolated From Artisanal Tunisian Meat "Dried Ossban". <i>Frontiers in Microbiology</i> , 2018, 9, 2607.	3.5	43
157	Synthesis of Lipidated eNOS Peptides by Combining Enzymatic, Noble Metal- and Acid-Mediated Protecting Group Techniques with Solid Phase Peptide Synthesis and Fragment Condensation in Solution. <i>Chemistry - A European Journal</i> , 2001, 7, 2933-2939.	3.3	42
158	Seed-mediated electrochemical growth of gold nanostructures on indium tin oxide thin films. <i>Electrochimica Acta</i> , 2008, 53, 7838-7844.	5.2	42
159	Clicking ferrocene groups to boron-doped diamond electrodes. <i>Chemical Communications</i> , 2009, , 2753.	4.1	42
160	Peroxynitrite activity of hemin-functionalized reduced graphene oxide. <i>Analyst, The</i> , 2013, 138, 4345.	3.5	42
161	Flexible Nanoholey Patches for Antibiotic-Free Treatments of Skin Infections. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36665-36674.	8.0	42
162	Au Ni alloy nanoparticles supported on reduced graphene oxide as highly efficient electrocatalysts for hydrogen evolution and oxygen reduction reactions. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 1424-1438.	7.1	42

#	ARTICLE	IF	CITATIONS
163	Fabrication of superhydrophobic/superoleophilic functionalized reduced graphene oxide/polydopamine/PFDT membrane for efficient oil/water separation. Separation and Purification Technology, 2020, 236, 116240.	7.9	42
164	Mapping concentration profiles within the diffusion layer of an electrodePart II. Potentiometric measurements with an ultramicroelectrode. Electrochemistry Communications, 2000, 2, 248-253.	4.7	41
165	Study of the atmospheric corrosion of galvanised steel in a micrometric electrolytic droplet. Electrochemistry Communications, 2006, 8, 911-915.	4.7	41
166	Diamond Nanowires: A Novel Platform for Electrochemistry and Matrix-Free Mass Spectrometry. Sensors, 2015, 15, 12573-12593.	3.8	41
167	Reduction of Cr(VI) to Cr(III) using silicon nanowire arrays under visible light irradiation. Journal of Hazardous Materials, 2016, 304, 441-447.	12.4	41
168	Selective detection of hexachromium ions by localized surface plasmon resonance measurements using gold nanoparticles/chitosan composite interfaces. Analyst, The, 2009, 134, 881.	3.5	40
169	Non-Enzymatic Glucose Sensing Using Carbon Quantum Dots Decorated with Copper Oxide Nanoparticles. Sensors, 2016, 16, 1720.	3.8	40
170	Advancements on the molecular design of nanoantibiotics: current level of development and future challenges. Molecular Systems Design and Engineering, 2017, 2, 349-369.	3.4	40
171	Efficient reduction of Cr(VI) under visible light irradiation using CuS nanostructures. Arabian Journal of Chemistry, 2019, 12, 215-224.	4.9	40
172	A comparative physical study of two different hydrophilic synthetic latex matrices for the construction of a glucose biosensor. Talanta, 2001, 55, 889-897.	5.5	39
173	Electrochemical impedance spectroscopy and surface plasmon resonance studies of DNA hybridization on gold/SiO _x interfaces. Analyst, The, 2008, 133, 1097.	3.5	39
174	Dependence between the Refractive-Index Sensitivity of Metallic Nanoparticles and the Spectral Position of Their Localized Surface Plasmon Band: A Numerical and Analytical Study. Journal of Physical Chemistry C, 2015, 119, 28551-28559.	3.1	39
175	Graphene-modified electrodes for sensing doxorubicin hydrochloride in human plasma. Analytical and Bioanalytical Chemistry, 2019, 411, 1509-1516.	3.7	39
176	CoS ₂ Nanoparticles Supported on rGO, g-C ₃ N ₄ , BCN, MoS ₂ , and WS ₂ Two-Dimensional Nanosheets with Excellent Electrocatalytic Performance for Overall Water Splitting: Electrochemical Studies and DFT Calculations. ACS Applied Energy Materials, 2021, 4, 1269-1285.	5.1	39
177	Micro-Imprinting of Oligonucleotides and Oligonucleotide Gradients on Gold Surfaces: A New Approach Based on the Combination of Scanning Electrochemical Microscopy and Surface Plasmon Resonance Imaging (SECM/ SPR-i). Electroanalysis, 2005, 17, 495-503.	2.9	38
178	Peptide Immobilization on Amine-Terminated Boron-Doped Diamond Surfaces. Langmuir, 2007, 23, 4494-4497.	3.5	38
179	Reactivity of Titanium in Physiological Medium. Journal of the Electrochemical Society, 2007, 154, C593.	2.9	37
180	HREELS Investigation of the Surfaces of Nanocrystalline Diamond Films Oxidized by Different Processes. Langmuir, 2010, 26, 18798-18805.	3.5	37

#	ARTICLE	IF	CITATIONS
181	Sensitivity of Plasmonic Nanostructures Coated with Thin Oxide Films for Refractive Index Sensing: Experimental and Theoretical Investigations. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11769-11775.	3.1	37
182	Stacking Faults-Induced Quenching of the UV Luminescence in ZnO. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 3033-3038.	4.6	37
183	Surface Plasmon Resonance on Gold and Silver Films Coated with Thin Layers of Amorphous Silicon-Carbon Alloys. <i>Langmuir</i> , 2010, 26, 6058-6065.	3.5	37
184	Investigation of the corrosion behavior of carbon steel coated with fluoropolymer thin films. <i>Surface and Coatings Technology</i> , 2011, 205, 4011-4017.	4.8	37
185	Voltammetric detection of l-dopa and carbidopa on graphene modified glassy carbon interfaces. <i>Bioelectrochemistry</i> , 2013, 93, 15-22.	4.6	37
186	Controlled fabrication of NiO/ZnO superhydrophobic surface on zinc substrate with corrosion and abrasion resistance. <i>Journal of Alloys and Compounds</i> , 2017, 723, 225-236.	5.5	37
187	Functionalized MoS ₂ /polyurethane sponge: An efficient scavenger for oil in water. <i>Separation and Purification Technology</i> , 2020, 238, 116420.	7.9	37
188	A rapid and easy procedure of biosensor fabrication by micro-encapsulation of enzyme in hydrophilic synthetic latex films. Application to the amperometric determination of glucose. <i>Electrochemistry Communications</i> , 2000, 2, 851-855.	4.7	36
189	Corrosion of galvanised steel under an electrolytic drop. <i>Corrosion Science</i> , 2007, 49, 910-919.	6.6	36
190	Thiol-ene Click Reactions on Alkynyl-Dopamine-Modified Reduced Graphene Oxide. <i>Chemistry - A European Journal</i> , 2013, 19, 8673-8678.	3.3	36
191	Cathodic activation of titanium-supported gold nanoparticles: An efficient and stable electrocatalyst for the hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 6326-6341.	7.1	36
192	Electrochemically stimulated drug release from flexible electrodes coated electrophoretically with doxorubicin loaded reduced graphene oxide. <i>Chemical Communications</i> , 2017, 53, 4022-4025.	4.1	36
193	Monitoring Concentration Profiles In Situ with an Ultramicroelectrode Probe. <i>Electroanalysis</i> , 2001, 13, 646-652.	2.9	35
194	Remote Fluorescence Imaging of Dynamic Concentration Profiles with Micrometer Resolution Using a Coherent Optical Fiber Bundle. <i>Analytical Chemistry</i> , 2004, 76, 7202-7210.	6.5	35
195	One-step synthesis of Au nanoparticle-graphene composites using tyrosine: electrocatalytic and catalytic properties. <i>New Journal of Chemistry</i> , 2016, 40, 5473-5482.	2.8	35
196	Enterocin B3A-B3B produced by LAB collected from infant faeces: potential utilization in the food industry for <i>Listeria monocytogenes</i> biofilm management. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 205-219.	1.7	35
197	Dual-Ligand Fe-Metal Organic Framework Based Robust High Capacity Li Ion Battery Anode and Its Use in a Flexible Battery Format for Electro-Thermal Heating. <i>ACS Applied Energy Materials</i> , 2019, 2, 4450-4457.	5.1	35
198	Colorimetric sensing of dopamine in beef meat using copper sulfide encapsulated within bovine serum albumin functionalized with copper phosphate (CuS-BSA-Cu ₃ (PO ₄) ₂) nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 732-740.	9.4	35

#	ARTICLE	IF	CITATIONS
199	Raman Imaging and Kelvin Probe Microscopy for the Examination of the Heterogeneity of Doping in Polycrystalline Boron-Doped Diamond Electrodes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23888-23897.	2.6	34
200	Polarization Modulation Infrared Reflection Absorption Spectroscopy Investigations of Thin Silica Films Deposited on Gold. 2. Structural Analysis of a 1,2-Dimyristoyl- <i>sn</i> -glycero-3-phosphocholine Bilayer. <i>Langmuir</i> , 2008, 24, 3922-3929.	3.5	34
201	Carbohydrate-Lectin Interaction on Graphene-Coated Surface Plasmon Resonance (SPR) Interfaces. <i>Plasmonics</i> , 2014, 9, 677-683.	3.4	34
202	Electrophoretic Deposition of Carbon Nanofibers/Co(OH) ₂ Nanocomposites: Application for Non-Enzymatic Glucose Sensing. <i>Electroanalysis</i> , 2016, 28, 119-125.	2.9	34
203	Ultrasmall CuS-BSA-Cu ₃ (PO ₄) ₂ nanozyme for highly efficient colorimetric sensing of H ₂ O ₂ and glucose in contact lens care solutions and human serum. <i>Analytica Chimica Acta</i> , 2020, 1109, 78-89.	5.4	34
204	<i>In Situ</i> Synthesis of Co ₃ O ₄ /CoFe ₂ O ₄ Derived from a Metal-Organic Framework on Nickel Foam: High-Performance Electrocatalyst for Water Oxidation. <i>ACS Applied Energy Materials</i> , 2021, 4, 2951-2959.	5.1	34
205	Preparation and Characterization of Silver Substrates Coated with Antimony-Doped SnO ₂ Thin Films for Surface Plasmon Resonance Studies. <i>Langmuir</i> , 2009, 25, 8036-8041.	3.5	33
206	Development and Characterization of a Diamond-Based Localized Surface Plasmon Resonance Interface. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3346-3353.	3.1	33
207	Surface Plasmon-Enhanced Fluorescence Spectroscopy on Silver Based SPR Substrates. <i>Journal of Physical Chemistry C</i> , 2010, 114, 22582-22589.	3.1	33
208	Insulin loaded iron magnetic nanoparticle-graphene oxide composites: synthesis, characterization and application for in vivo delivery of insulin. <i>RSC Advances</i> , 2014, 4, 865-875.	3.6	33
209	Selective Antimicrobial and Antibiofilm Disrupting Properties of Functionalized Diamond Nanoparticles Against <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . <i>Particle and Particle Systems Characterization</i> , 2015, 32, 822-830.	2.3	33
210	Dual Monitoring of Surface Reactions in Real Time by Combined Surface-Plasmon Resonance and Field-Effect Transistor Interrogation. <i>Journal of the American Chemical Society</i> , 2020, 142, 11709-11716.	13.7	33
211	High performance flexible hybrid supercapacitors based on nickel hydroxide deposited on copper oxide supported by copper foam for a sunlight-powered rechargeable energy storage system. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 520-530.	9.4	33
212	Colorimetric assay for the detection of dopamine using bismuth ferrite oxide (Bi ₂ Fe ₄ O ₉) nanoparticles as an efficient peroxidase-mimic nanozyme. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 384-395.	9.4	33
213	PM IRRAS Investigation of Thin Silica Films Deposited on Gold. Part 1. Theory and Proof of Concept. <i>Langmuir</i> , 2007, 23, 9303-9309.	3.5	32
214	Molecular monolayers on silicon as substrates for biosensors. <i>Bioelectrochemistry</i> , 2010, 80, 17-25.	4.6	32
215	Comparison of photo- and Cu-catalyzed click-chemistries for the formation of carbohydrate SPR interfaces. <i>Analyst</i> , 2013, 138, 805-812.	3.5	32
216	Self-template synthesis of ZnS/Ni ₃ S ₂ as advanced electrode material for hybrid supercapacitors. <i>Electrochimica Acta</i> , 2019, 328, 135065.	5.2	32

#	ARTICLE	IF	CITATIONS
217	Colorimetric detection of chromium (VI) ion using poly(N-phenylglycine) nanoparticles acting as a peroxidase mimetic catalyst. <i>Talanta</i> , 2021, 226, 122082.	5.5	32
218	Dielectric coated plasmonic interfaces: their interest for sensitive sensing of analyte-ligand interactions. <i>Reviews in Analytical Chemistry</i> , 2012, 31, .	3.2	31
219	Nanometal plasmonpolaritons. <i>Surface Science Reports</i> , 2013, 68, 1-67.	7.2	31
220	Electrophoretic Approach for the Simultaneous Deposition and Functionalization of Reduced Graphene Oxide Nanosheets with Diazonium Compounds: Application for Lysozyme Sensing in Serum. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12823-12831.	8.0	31
221	Efficient capture and photothermal ablation of planktonic bacteria and biofilms using reduced graphene oxide-polyethyleneimine flexible nanoheaters. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2771-2781.	5.8	31
222	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.	2.9	30
223	Interfacing Boron Doped Diamond and Biology: An Insight on Its Use for Bioanalytical Applications. <i>Electroanalysis</i> , 2005, 17, 517-526.	2.9	30
224	Photochemical Immobilization of Proteins and Peptides on Benzophenone-Terminated Boron-Doped Diamond Surfaces. <i>Langmuir</i> , 2010, 26, 1075-1080.	3.5	30
225	Plasmonic Nanoparticles Array for High-Sensitivity Sensing: A Theoretical Investigation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17819-17827.	3.1	30
226	Environmentally Friendly Reduction of Graphene Oxide Using Tyrosine for Nonenzymatic Amperometric H_2O_2 Detection. <i>Electroanalysis</i> , 2014, 26, 156-163.	2.9	30
227	Carbohydrate Microarray for the Detection of Glycan-Protein Interactions Using Metal-Enhanced Fluorescence. <i>Analytical Chemistry</i> , 2015, 87, 3721-3728.	6.5	30
228	Toward Multifunctional "Clickable" Diamond Nanoparticles. <i>Langmuir</i> , 2015, 31, 3926-3933.	3.5	30
229	Controlled modification of electrochemical microsystems with polyethylenimine/reduced graphene oxide using electrophoretic deposition: Sensing of dopamine levels in meat samples. <i>Talanta</i> , 2018, 178, 432-440.	5.5	30
230	Near-infrared light activatable hydrogels for metformin delivery. <i>Nanoscale</i> , 2019, 11, 15810-15820.	5.6	30
231	High performance silicon nanowires/ruthenium nanoparticles micro-supercapacitors. <i>Electrochimica Acta</i> , 2019, 311, 150-159.	5.2	30
232	Aluminum oxide nanowires as safe and effective adjuvants for next-generation vaccines. <i>Materials Today</i> , 2019, 22, 58-66.	14.2	30
233	Electrothermal patches driving the transdermal delivery of insulin. <i>Nanoscale Horizons</i> , 2020, 5, 663-670.	8.0	30
234	Investigating polymers and conducting metals as transduction mediators or immobilization matrices. <i>Electroanalysis</i> , 1995, 7, 830-837.	2.9	29

#	ARTICLE	IF	CITATIONS
235	The Use of Optical Fiber Bundles Combined with Electrochemistry for Chemical Imaging. <i>ChemPhysChem</i> , 2003, 4, 186-192.	2.1	29
236	Influence of the Surface Termination of Boron-Doped Diamond Electrodes on Oxygen Reduction in Basic Medium. <i>Electrochemical and Solid-State Letters</i> , 2007, 10, G43.	2.2	29
237	Covalent linking of peptides onto oxygen-terminated boron-doped diamond surfaces. <i>Diamond and Related Materials</i> , 2007, 16, 892-898.	3.9	29
238	Multidimensional electrochemical imaging in materials science. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 1103-1120.	3.7	29
239	Effect of two-step functionalization of Ti by chemical processes on protein adsorption. <i>Applied Surface Science</i> , 2011, 257, 8196-8204.	6.1	29
240	Reduced graphene oxide nanosheets decorated with AuPd bimetallic nanoparticles: a multifunctional material for photothermal therapy of cancer cells. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8366-8374.	5.8	29
241	Entrapment of uropathogenic <i>E. coli</i> cells into ultra-thin sol-gel matrices on gold thin films: A low cost alternative for impedimetric bacteria sensing. <i>Biosensors and Bioelectronics</i> , 2019, 124-125, 161-166.	10.1	29
242	A mask-based diagnostic platform for point-of-care screening of Covid-19. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113486.	10.1	29
243	Detection of carbohydrate-binding proteins by oligosaccharide-modified polypyrrole interfaces using electrochemical surface plasmon resonance. <i>Analyst</i> , The, 2008, 133, 206-212.	3.5	28
244	The impact of chemical engineering and technological advances on managing diabetes: present and future concepts. <i>Chemical Society Reviews</i> , 2021, 50, 2102-2146.	38.1	28
245	Poly(dicarbazole-N-hydroxysuccinimide) film: a new polymer for the reagentless grafting of enzymes and redox mediators. <i>Electrochemistry Communications</i> , 2000, 2, 827-831.	4.7	27
246	“Clicking” Thiophene on Diamond Interfaces. Preparation of a Conducting Polythiophene/Diamond Hybrid Material. <i>Journal of Physical Chemistry C</i> , 2009, 113, 17082-17086.	3.1	27
247	Investigation of the corrosion protection of SiO _x -like oxide films deposited by plasma-enhanced chemical vapor deposition onto carbon steel. <i>Electrochimica Acta</i> , 2010, 55, 8921-8927.	5.2	27
248	Unprecedented inhibition of glycosidase-catalyzed substrate hydrolysis by nanodiamond-grafted O-glycosides. <i>RSC Advances</i> , 2015, 5, 100568-100578.	3.6	27
249	An “on-demand” photothermal antibiotic release cryogel patch: evaluation of efficacy on an <i>in vivo</i> model for skin wound infection. <i>Biomaterials Science</i> , 2020, 8, 5911-5919.	5.4	27
250	Scanning Electrochemical Microscopy (SECM) Based Detection of Oligonucleotide Hybridization and Simultaneous Determination of the Surface Concentration of Immobilized Oligonucleotides on Gold. <i>Electroanalysis</i> , 2007, 19, 1258-1267.	2.9	26
251	Amorphous silicon-carbon alloys for efficient localized surface plasmon resonance sensing. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1199-1203.	10.1	26
252	Amplified plasmonic detection of DNA hybridization using doxorubicin-capped gold particles. <i>Analyst</i> , The, 2014, 139, 157-164.	3.5	26

#	ARTICLE	IF	CITATIONS
253	Electrochemically triggered release of human insulin from an insulin-impregnated reduced graphene oxide modified electrode. <i>Chemical Communications</i> , 2015, 51, 14167-14170.	4.1	26
254	MoS ₂ /reduced graphene oxide nanocomposite for sensitive sensing of cysteamine in presence of uric acid in human plasma. <i>Materials Science and Engineering C</i> , 2017, 73, 627-632.	7.3	26
255	Fe-doped SnO ₂ decorated reduced graphene oxide nanocomposite with enhanced visible light photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 367, 145-155.	3.9	26
256	Exploring Light-Sensitive Nanocarriers for Simultaneous Triggered Antibiotic Release and Disruption of Biofilms Upon Generation of Laser-Induced Vapor Nanobubbles. <i>Pharmaceutics</i> , 2019, 11, 201.	4.5	26
257	Preparation of Electrochemical and Surface Plasmon Resonance Active Interfaces: Deposition of Indium Tin Oxide on Silver Thin Films. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10883-10888.	3.1	25
258	Development of a Metal-Chelated Plasmonic Interface for the Linking of His-Peptides with a Droplet-Based Surface Plasmon Resonance Read-Off Scheme. <i>Langmuir</i> , 2011, 27, 5498-5505.	3.5	25
259	Highly effective photodynamic inactivation of <i>E. coli</i> using gold nanorods/SiO ₂ core-shell nanostructures with embedded verteporfin. <i>Chemical Communications</i> , 2015, 51, 16365-16368.	4.1	25
260	Boronic acid-modified lipid nanocapsules: a novel platform for the highly efficient inhibition of hepatitis C viral entry. <i>Nanoscale</i> , 2015, 7, 1392-1402.	5.6	25
261	Hydrothermal synthesis of ZTO/graphene nanocomposite with excellent photocatalytic activity under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2016, 473, 66-74.	9.4	25
262	Solution Processable Cu(II) macrocycle for the Formation of Cu ₂ O Thin Film on Indium Tin Oxide and Its Application for Water Oxidation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 16510-16518.	3.1	25
263	Photografting and patterning of oligonucleotides on benzophenone-modified boron-doped diamond. <i>Chemical Communications</i> , 2007, , 2793.	4.1	24
264	Preparation and characterization of antimony-doped SnO ₂ thin films on gold and silver substrates for electrochemical and surface plasmon resonance studies. <i>Electrochemistry Communications</i> , 2008, 10, 1041-1043.	4.7	24
265	A Prussian blue/carbon dot nanocomposite as an efficient visible light active photocatalyst for C-H activation of amines. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 1282-1288.	2.9	24
266	Controlled covalent functionalization of a graphene-channel of a field effect transistor as an ideal platform for (bio)sensing applications. <i>Nanoscale Horizons</i> , 2021, 6, 819-829.	8.0	24
267	Highly performing graphene-based field effect transistor for the differentiation between mild-moderate-severe myocardial injury. <i>Nano Today</i> , 2022, 43, 101391.	11.9	24
268	Covalent modification of boron-doped diamond electrodes with an imidazolium-based ionic liquid. <i>Electrochimica Acta</i> , 2010, 55, 1582-1587.	5.2	23
269	Near-Field and Far-Field Sensitivities of LSPR Sensors. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9470-9476.	3.1	23
270	Insulin impregnated reduced graphene oxide/Ni(OH) ₂ thin films for electrochemical insulin release and glucose sensing. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 693-701.	7.8	23

#	ARTICLE	IF	CITATIONS
271	Selective isolation and eradication of E. coli associated with urinary tract infections using anti-fimbrial modified magnetic reduced graphene oxide nanoheaters. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8133-8142.	5.8	23
272	Cu(0) nanoparticle-decorated functionalized reduced graphene oxide sheets as artificial peroxidase enzymes: application for colorimetric detection of Cr(VI) ions. <i>New Journal of Chemistry</i> , 2019, 43, 1404-1414.	2.8	23
273	Evaporation behavior of PEGylated graphene oxide nanofluid droplets on heated substrate. <i>International Journal of Thermal Sciences</i> , 2019, 135, 445-458.	4.9	23
274	Electrochemical grafting of poly(3-hexylthiophene) on porous silicon for gas sensing. <i>Surface and Interface Analysis</i> , 2010, 42, 1041-1045.	1.8	22
275	Revealing the structure and functionality of graphene oxide and reduced graphene oxide/pyrene carboxylic acid interfaces by correlative spectral and imaging analysis. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 16038-16046.	2.8	22
276	Graphene-based nanomaterials in innovative electrochemistry. <i>Current Opinion in Electrochemistry</i> , 2018, 10, 24-30.	4.8	22
277	Photothermally Active Cryogel Devices for Effective Release of Antimicrobial Peptides: On-Demand Treatment of Infections. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56805-56814.	8.0	22
278	Plasmon-Driven Electrochemical Methanol Oxidation on Gold Nanohole Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50426-50432.	8.0	21
279	Aluminum based metal-organic framework integrated with reduced graphene oxide for improved supercapacitive performance. <i>Electrochimica Acta</i> , 2020, 353, 136609.	5.2	21
280	Innovative transdermal delivery of insulin using gelatin methacrylate-based microneedle patches in mice and mini-pigs. <i>Nanoscale Horizons</i> , 2022, 7, 174-184.	8.0	21
281	Localized electropolymerization on oxidized boron-doped diamond electrodes modified with pyrrolyl units. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 4924.	2.8	20
282	Diamond nanowires decorated with metallic nanoparticles: A novel electrical interface for the immobilization of histidinylated biomolecules. <i>Electrochimica Acta</i> , 2013, 110, 4-8.	5.2	20
283	Quantitative Assessment of the Multivalent Protein-Carbohydrate Interactions on Silicon. <i>Analytical Chemistry</i> , 2014, 86, 10340-10349.	6.5	20
284	Cobalt sulfide-reduced graphene oxide: An efficient catalyst for the degradation of rhodamine B and pentachlorophenol using peroxymonosulfate. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106018.	6.7	20
285	Investigation of the electrocatalytic activity of boron-doped diamond electrodes modified with palladium or gold nanoparticles for oxygen reduction reaction in basic medium. <i>Comptes Rendus Chimie</i> , 2008, 11, 1004-1009.	0.5	19
286	Application of Thin Titanium/Titanium Oxide Layers Deposited on Gold for Infrared Reflection Absorption Spectroscopy: Structural Studies of Lipid Bilayers. <i>Langmuir</i> , 2008, 24, 7378-7387.	3.5	19
287	Optical and electrochemical properties of tunable host-guest complexes linked to plasmonic interfaces. <i>Journal of Materials Chemistry</i> , 2011, 21, 3006.	6.7	19
288	An impedimetric immunosensor based on diamond nanowires decorated with nickel nanoparticles. <i>Analyst</i> , 2014, 139, 1726.	3.5	19

#	ARTICLE	IF	CITATIONS
289	Controllable fabrication of stable superhydrophobic surfaces on iron substrates. RSC Advances, 2015, 5, 40657-40667.	3.6	19
290	Excellent photocatalytic reduction of nitroarenes to aminoarenes by BiVO ₄ nanoparticles grafted on reduced graphene oxide (rGO/BiVO ₄). Applied Organometallic Chemistry, 2019, 33, e5059.	3.5	19
291	High-performance flexible hybrid supercapacitor based on NiAl layered double hydroxide as a positive electrode and nitrogen-doped reduced graphene oxide as a negative electrode. Electrochimica Acta, 2020, 354, 136664.	5.2	19
292	Electro-organic reactions. Part 46. Diels-Alder trapping of o-quinodimethane generated by redox-mediated cathodic reduction of 1,2-dibromo-o-xylene in the presence of hindered dienophiles. Tetrahedron, 1996, 52, 7771-7778.	1.9	18
293	Localized Surface Plasmon Resonance of Gold Nanoparticle-Modified Chitosan Films for Heavy-Metal Ions Sensing. Journal of Nanoscience and Nanotechnology, 2009, 9, 350-357.	0.9	18
294	Development of New Localized Surface Plasmon Resonance Interfaces Based on Gold Nanostructures Sandwiched between Tin-Doped Indium Oxide Films. Langmuir, 2010, 26, 4266-4273.	3.5	18
295	Cell Adhesion Properties on Chemically Micropatterned Boron-Doped Diamond Surfaces. Langmuir, 2010, 26, 15065-15069.	3.5	18
296	Formation of a Highly Stable and Nontoxic Protein Corona upon Interaction of Human Î±-1-Acid Glycoprotein (AGP) with Citrate-Stabilized Silver Nanoparticles. Langmuir, 2020, 36, 10321-10330.	3.5	18
297	SERS characterization of aggregated and isolated bacteria deposited on silver-based substrates. Analytical and Bioanalytical Chemistry, 2021, 413, 1417-1428.	3.7	18
298	Electroless chemical etching of silicon in aqueous NH ₄ F/AgNO ₃ /HNO ₃ solution. Applied Surface Science, 2013, 284, 894-899.	6.1	17
299	Particle-based photodynamic therapy based on indocyanine green modified plasmonic nanostructures for inactivation of a Crohn's disease-associated Escherichia coli strain. Journal of Materials Chemistry B, 2016, 4, 2598-2605.	5.8	17
300	Plasmon-Induced Electrocatalysis with Multi-Component Nanostructures. Materials, 2019, 12, 43.	2.9	17
301	Surface Functionalization with Polyethylene Glycol and Polyethyleneimine Improves the Performance of Graphene-Based Materials for Safe and Efficient Intracellular Delivery by Laser-Induced Photoporation. International Journal of Molecular Sciences, 2020, 21, 1540.	4.1	17
302	The role of the surface ligand on the performance of electrochemical SARS-CoV-2 antigen biosensors. Analytical and Bioanalytical Chemistry, 2022, 414, 103-113.	3.7	17
303	The holy grail of pyrene-based surface ligands on the sensitivity of graphene-based field effect transistors. Sensors & Diagnostics, 2022, 1, 235-244.	3.8	17
304	Chemical and electrochemical grafting of polyaniline on aniline-terminated porous silicon. Surface and Interface Analysis, 2010, 42, 1342-1346.	1.8	16
305	Green Synthesis of Reduced Graphene Oxide-Silver Nanoparticles Using Environmentally Friendly L-arginine for H ₂ O ₂ Detection. ECS Journal of Solid State Science and Technology, 2016, 5, M3060-M3066.	1.8	16
306	Affinity of Glycan-Modified Nanodiamonds towards Lectins and Uropathogenic Escherichia Coli. ChemNanoMat, 2016, 2, 307-314.	2.8	16

#	ARTICLE	IF	CITATIONS
307	Vertically Aligned Nitrogen-Doped Carbon Nanotube Carpet Electrodes: Highly Sensitive Interfaces for the Analysis of Serum from Patients with Inflammatory Bowel Disease. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9600-9609.	8.0	16
308	Catalytic activity of silicon nanowires decorated with silver and copper nanoparticles. <i>Semiconductor Science and Technology</i> , 2016, 31, 014011.	2.0	16
309	Rapid and sensitive identification of uropathogenic <i>Escherichia coli</i> using a surface-enhanced-Raman-scattering-based biochip. <i>Talanta</i> , 2020, 219, 121174.	5.5	16
310	Graphene Oxide Nanosheets for Localized Hyperthermia—Physicochemical Characterization, Biocompatibility, and Induction of Tumor Cell Death. <i>Cells</i> , 2020, 9, 776.	4.1	16
311	Modification of MnFe ₂ O ₄ surface by Mo (VI) pyridylimine complex as an efficient nanocatalyst for (ep)oxidation of alkenes and sulfides. <i>Journal of Molecular Liquids</i> , 2021, 330, 115690.	4.9	16
312	SARS-CoV-2 detection using a nanobody-functionalized voltammetric device. <i>Communications Medicine</i> , 2022, 2, .	4.2	16
313	Surface Plasmon Resonance (SPR) for the Evaluation of Shear-Force-Dependent Bacterial Adhesion. <i>Biosensors</i> , 2015, 5, 276-287.	4.7	15
314	Plasmon waveguide resonance for sensing glycan–lectin interactions. <i>Analytica Chimica Acta</i> , 2015, 873, 71-79.	5.4	15
315	Infrared Photothermal Therapy with Water Soluble Reduced Graphene Oxide: Shape, Size and Reduction Degree Effects. <i>Nano LIFE</i> , 2015, 05, 1540002.	0.9	15
316	Visible light assisted hydrogen generation from complete decomposition of hydrous hydrazine using rhodium modified TiO ₂ photocatalysts. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1036-1042.	2.9	15
317	Porous reduced graphene oxide modified electrodes for the analysis of protein aggregation. Part 1: Lysozyme aggregation at pH 2 and 7.4. <i>Electrochimica Acta</i> , 2017, 254, 375-383.	5.2	15
318	Magnetically Reusable MnFe ₂ O ₄ Nanoparticles Modified with Oxo–Peroxo Mo (VI) Schiff–Base Complexes: A High Efficiency Catalyst for Olefin Epoxidation under Solvent-Free Conditions. <i>ChemistrySelect</i> , 2018, 3, 2877-2881.	1.5	15
319	Improved photodynamic effect through encapsulation of two photosensitizers in lipid nanocapsules. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5949-5963.	5.8	15
320	Oligomannose-Rich Membranes of Dying Intestinal Epithelial Cells Promote Host Colonization by Adherent-Invasive <i>E. coli</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 742.	3.5	15
321	Click–Chemistry on Gold Electrodes Modified with Reduced Graphene Oxide by Electrophoretic Deposition. <i>Surfaces</i> , 2019, 2, 193-204.	2.3	15
322	Photocatalytic Performance of Perovskite and Metal–Organic Framework Hybrid Material for the Reduction of N ₂ to Ammonia. <i>Inorganic Chemistry</i> , 2022, 61, 1735-1744.	4.0	15
323	Preparation of boron-doped diamond nanospikes on porous Ti substrate for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2020, 354, 136649.	5.2	14
324	Interaction of cellulose and nitrodopamine coated superparamagnetic iron oxide nanoparticles with alpha-lactalbumin. <i>RSC Advances</i> , 2020, 10, 9704-9716.	3.6	14

#	ARTICLE	IF	CITATIONS
325	Carbon quantum dots as a dual platform for the inhibition and light-based destruction of collagen fibers: implications for the treatment of eye floaters. <i>Nanoscale Horizons</i> , 2021, 6, 449-461.	8.0	14
326	Photothermal Activatable Mucoadhesive Fiber Mats for On-Demand Delivery of Insulin via Buccal and Corneal Mucosa. <i>ACS Applied Bio Materials</i> , 2022, 5, 771-778.	4.6	14
327	Adsorption-reduction of Cr(VI) onto unmodified and phytic acid-modified carob waste: Kinetic and isotherm modeling. <i>Chemosphere</i> , 2022, 297, 134188.	8.2	14
328	Microelectrode Arrays. , 2007, , 391-428.		13
329	Fabrication of stable homogeneous superhydrophobic HDPE/graphene oxide surfaces on zinc substrates. <i>RSC Advances</i> , 2016, 6, 29823-29829.	3.6	13
330	Atomic Force Microscopic and Raman Investigation of Boron-Doped Diamond Nanowire Electrodes and Their Activity toward Oxygen Reduction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3397-3403.	3.1	13
331	On demand electrochemical release of drugs from porous reduced graphene oxide modified flexible electrodes. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6557-6565.	5.8	13
332	Magneto-Optical Nanostructures for Viral Sensing. <i>Nanomaterials</i> , 2020, 10, 1271.	4.1	13
333	Enhanced electrocatalytic activity of PtRu/nitrogen and sulphur co-doped crumbled graphene in acid and alkaline media. <i>Journal of Colloid and Interface Science</i> , 2021, 590, 154-163.	9.4	13
334	Plasmonic properties of silver nanostructures coated with an amorphous silicon-carbon alloy and their applications for sensitive sensing of DNA hybridization. <i>Analyst</i> , 2011, 136, 1859.	3.5	12
335	Investigation of morphology, reflectance and photocatalytic activity of nanostructured silicon surfaces. <i>Microelectronic Engineering</i> , 2016, 159, 94-101.	2.4	12
336	Plasmon-enhanced electrocatalytic oxygen reduction in alkaline media on gold nanohole electrodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10395-10401.	10.3	12
337	Flower-like Nitrogen-doped MoS ₂ @RGO Composites with Excellent Stability for Supercapacitors. <i>ChemElectroChem</i> , 2021, 8, 2903-2911.	3.4	12
338	Fluorescent molecular nanocrystals anchored in sol-gel thin films: a label-free signalization function for biosensing applications. <i>New Journal of Chemistry</i> , 2011, 35, 2416.	2.8	11
339	Differentiation of Crohn's Disease-Associated Isolates from Other Pathogenic Escherichia coli by Fimbrial Adhesion under Shear Force. <i>Biology</i> , 2016, 5, 14.	2.8	11
340	High photocatalytic activity of plasmonic Ag@AgCl/Zn ₂ SnO ₄ nanocomposites synthesized using hydrothermal method. <i>RSC Advances</i> , 2016, 6, 80310-80319.	3.6	11
341	Wilkinson-type Immobilized Catalyst on Diamond Nanoparticles for Alkene Reduction. <i>ChemCatChem</i> , 2017, 9, 432-439.	3.7	11
342	Copper-based metal-organic framework decorated by CuO hair-like nanostructures: Electrocatalyst for oxygen evolution reaction. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5871.	3.5	11

#	ARTICLE	IF	CITATIONS
343	Enhanced Antibacterial Activity of CuS-BSA/Lysozyme under Near Infrared Light Irradiation. <i>Nanomaterials</i> , 2021, 11, 2156.	4.1	11
344	The importance of the shape of Cu ₂ O nanocrystals on plasmon-enhanced oxygen evolution reaction in alkaline media. <i>Electrochimica Acta</i> , 2021, 390, 138810.	5.2	11
345	Electro-organic reactions. Part 50. Quinodimethane chemistry. Part 1. Electrochemical generation and characterisation of p-quinodimethanes. <i>Perkin Transactions II RSC</i> , 2000, , 669-675.	1.1	10
346	Experimental and Theoretical Investigations on the Adsorption of 2'-deoxyguanosine Oxidation Products at Oxidized Boron-Doped Diamond Electrodes. <i>Analytical Chemistry</i> , 2007, 79, 3741-3746.	6.5	10
347	Preparation and characterization of thin organosilicon films deposited on SPR chip. <i>Electrochimica Acta</i> , 2008, 53, 3910-3915.	5.2	10
348	Electrochemical investigation of the influence of thin SiO _x films deposited on gold on charge transfer characteristics. <i>Electrochimica Acta</i> , 2008, 53, 7908-7914.	5.2	10
349	Solvent-free chemical functionalization of hydrogen-terminated boron-doped diamond electrodes with diazonium salts in ionic liquids. <i>Diamond and Related Materials</i> , 2008, 17, 1394-1398.	3.9	10
350	Wet-chemical approach for the halogenation of hydrogenated boron-doped diamond electrodes. <i>Chemical Communications</i> , 2008, , 6294.	4.1	10
351	Characterization of peptide attachment on silicon nanowires by X-ray photoelectron spectroscopy and mass spectrometry. <i>Analyst</i> , The, 2017, 142, 969-978.	3.5	10
352	Substance P enhances lactic acid and tyramine production in <i>Enterococcus faecalis</i> V583 and promotes its cytotoxic effect on intestinal Caco-2/TC7 cells. <i>Gut Pathogens</i> , 2017, 9, 20.	3.4	10
353	Dopamine-functionalized cyclodextrins: modification of reduced graphene oxide based electrodes and sensing of folic acid in human serum. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5149-5157.	3.7	10
354	Mucin modified SPR interfaces for studying the effect of flow on pathogen binding to Atlantic salmon mucins. <i>Biosensors and Bioelectronics</i> , 2019, 146, 111736.	10.1	10
355	Interaction of Human α -1-Acid Glycoprotein (AGP) with Citrate-Stabilized Gold Nanoparticles: Formation of Unexpectedly Strong Binding Events. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5073-5083.	3.1	10
356	Enhanced electrocatalytic hydrogen evolution on a plasmonic electrode: the importance of the Ti/TiO ₂ adhesion layer. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13980-13986.	10.3	10
357	Magnetic MnFe ₂ O ₄ Core-shell nanoparticles coated with antibiotics for the ablation of pathogens. <i>Chemical Papers</i> , 2021, 75, 377-387.	2.2	10
358	Rapid Generation of Coronaviral Immunity Using Recombinant Peptide Modified Nanodiamonds. <i>Pathogens</i> , 2021, 10, 861.	2.8	10
359	Surface modification of carbon dots with tetraalkylammonium moieties for fine tuning their antibacterial activity. <i>Materials Science and Engineering C</i> , 2022, 134, 112697.	7.3	10
360	Electrochemical Impedance Spectroscopy of Dense Silica and Porous Silicon Oxycarbide. <i>Electrochemical and Solid-State Letters</i> , 2007, 10, G63.	2.2	9

#	ARTICLE	IF	CITATIONS
361	Electro-oxidative nanopatterning of silane monolayers on boron-doped diamond electrodes. <i>Nanotechnology</i> , 2009, 20, 075302.	2.6	9
362	Characterization of single transition metal oxide nanorods by combining atomic force microscopy and polarized micro-Raman spectroscopy. <i>Chemical Physics Letters</i> , 2011, 514, 128-133.	2.6	9
363	Decoration of silicon nanostructures with copper particles for simultaneous selective capture and mass spectrometry detection of His-tagged model peptide. <i>Analyst, The</i> , 2014, 139, 5155-5163.	3.5	9
364	Light-Triggered Release of Biomolecules from Diamond Nanowire Electrodes. <i>Langmuir</i> , 2016, 32, 6515-6523.	3.5	9
365	Modulation of localized surface plasmon resonances of a silver nanoparticle array upon the presence of MoS ₂ coatings or underlying thin films. <i>Optik</i> , 2019, 179, 819-827.	2.9	9
366	Electrochemical and electronic detection of biomarkers in serum: a systematic comparison using aptamer-functionalized surfaces. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 5319-5327.	3.7	9
367	Electro-organic reactions. Part 54. Quinodimethane chemistry. Part 2. Electrogeneration and reactivity of o-quinodimethanes. <i>Perkin Transactions II RSC</i> , 2001, , 153-163.	1.1	8
368	Mapping Concentration Profiles within the Diffusion Layer of an Electrode: Application to Redox Catalysis. <i>Chemistry - A European Journal</i> , 2001, 7, 2940-2956.	3.3	8
369	Using Scanning Electrochemical Microscopy to Determine the Doping Level and the Flatband Potential of Boron-Doped Diamond Electrodes. <i>ChemPhysChem</i> , 2006, 7, 89-93.	2.1	8
370	Graphene-based high-performance surface plasmon resonance biosensors. <i>Proceedings of SPIE</i> , 2012, , .	0.8	8
371	Diamond nanowires modified with poly[3-(pyrrolyl)carboxylic acid] for the immobilization of histidine-tagged peptides. <i>Analyst, The</i> , 2014, 139, 4343.	3.5	8
372	Electrochemical, theoretical and surface physicochemical studies of the alkaline copper corrosion inhibition by newly synthesized molecular complexes of benzenediamine and tetraamine with I ⁻ acceptor. <i>Journal of Molecular Liquids</i> , 2020, 320, 114386.	4.9	8
373	Aryne cycloaddition reaction as a facile and mild modification method for design of electrode materials for high-performance symmetric supercapacitor. <i>Electrochimica Acta</i> , 2021, 369, 137667.	5.2	8
374	The Potential of Developing Pan-Coronaviral Antibodies to Spike Peptides in Convalescent COVID-19 Patients. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2021, 69, 5.	2.3	8
375	Cathodic pre-polarization studies on the carbon felt/KOH interface: An efficient metal-free electrocatalyst for hydrogen generation. <i>Electrochimica Acta</i> , 2021, 375, 137981.	5.2	8
376	Sensing of COVID-19 spike protein in nasopharyngeal samples using a portable surface plasmon resonance diagnostic system. <i>Sensors & Diagnostics</i> , 2022, 1, 1021-1031.	3.8	8
377	Characterization of post-copper CMP surface with scanning probe microscopy: Part II: Surface potential measurements with scanning Kelvin probe force microscopy. <i>Microelectronic Engineering</i> , 2006, 83, 2355-2358.	2.4	7
378	Room-Temperature Wet Chemical Synthesis of Au NPs/TiH ₂ /Nanocarved Ti Self-Supported Electrocatalysts for Highly Efficient H ₂ Generation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30115-30126.	8.0	7

#	ARTICLE	IF	CITATIONS
379	Graphene-based bioelectrochemistry and bioelectronics: A concept for the future?. <i>Current Opinion in Electrochemistry</i> , 2018, 12, 141-147.	4.8	7
380	Non-enzymatic electrochemical cholesterol sensor based on strong host-guest interactions with a polymer of intrinsic microporosity (PIM) with DFT study. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6523-6533.	3.7	7
381	Characterization of post-copper CMP surfaces with scanning probe microscopy. <i>Applied Surface Science</i> , 2006, 252, 7760-7765.	6.1	6
382	Search of Extremely Sensitive Near-Infrared Plasmonic Interfaces: A Theoretical Study. <i>Plasmonics</i> , 2013, 8, 1691-1698.	3.4	6
383	Manganese Ferrite Nanoparticles Modified by Mo(VI) Complex: Highly Efficient Catalyst for Sulfides and Olefins Oxidation Under Solvent-free Condition. <i>ChemistrySelect</i> , 2019, 4, 7116-7122.	1.5	6
384	Electrochemical biosensing with odorant binding proteins. <i>Methods in Enzymology</i> , 2020, 642, 345-369.	1.0	6
385	Silicon nanowire-hydrogenated TiO ₂ core-shell arrays for stable electrochemical micro-capacitors. <i>Electrochimica Acta</i> , 2021, 396, 139198.	5.2	6
386	Single-step Synthesis of Exfoliated Ti ₃ C ₂ T _x MXene through NaBF ₄ /HCl Etching as Electrode Material for Asymmetric Supercapacitor. <i>ChemistrySelect</i> , 2022, 7, .	1.5	6
387	Microelectrode systems for the study of photochemical processes in solution. <i>Journal of Electroanalytical Chemistry</i> , 2010, 646, 60-67.	3.8	5
388	Preparation and reactivity of carboxylic acid-terminated boron-doped diamond electrodes. <i>Electrochimica Acta</i> , 2010, 55, 959-964.	5.2	5
389	Localized surface plasmon resonance interfaces coated with poly[3-(pyrrolyl)carboxylic acid] for histidine-tagged peptide sensing. <i>Analyst</i> , 2011, 136, 4211.	3.5	5
390	A graphene/hemin hybrid material as an efficient green catalyst for stereoselective olefination of aldehydes. <i>RSC Advances</i> , 2015, 5, 100011-100017.	3.6	5
391	Porous reduced graphene oxide modified electrodes for the analysis of protein aggregation. Part 2: Application to the analysis of calcitonin containing pharmaceutical formulation. <i>Electrochimica Acta</i> , 2018, 266, 364-372.	5.2	5
392	Electronic biosensors based on graphene FETs. <i>Methods in Enzymology</i> , 2020, 642, 371-401.	1.0	5
393	Preparation and photocatalytic properties of quartz/gold nanostructures/TiO ₂ lamellar structures. <i>RSC Advances</i> , 2012, 2, 12482.	3.6	4
394	Investigation of the corrosion behaviour of steel coated with amorphous silicon carbon alloys. <i>Surface and Coatings Technology</i> , 2012, 206, 3626-3631.	4.8	4
395	Chapter 7. Electrochemistry of graphene: The current state of the art. <i>SPR Electrochemistry</i> , 0, , 211-242.	0.7	4
396	Functionalization of diamond surfaces for medical applications. , 2013, , 25-47.		4

#	ARTICLE	IF	CITATIONS
397	[1+1] Copper(II) macrocyclic Schiff base complex on rGO as a photocatalyst for reduction of nitroaromatics compounds under visible-light irradiation. <i>Journal of Molecular Liquids</i> , 2021, 328, 115338.	4.9	4
398	Interaction of 4 allotropic modifications of carbon nanoparticles with living tissues. <i>Ukrainian Biochemical Journal</i> , 2019, 91, 41-50.	0.5	4
399	Catch and release strategy of matrix metalloprotease aptamers <i>via</i> thiolâ€“disulfide exchange reaction on a graphene based electrochemical sensor. <i>Sensors & Diagnostics</i> , 2022, 1, 739-749.	3.8	4
400	A quantitative method to discriminate between non-specific and specific lectinâ€“glycan interactions on silicon-modified surfaces. <i>Journal of Colloid and Interface Science</i> , 2016, 464, 198-205.	9.4	3
401	Nanoscale materials for the treatment of water contaminated by bacteria and viruses. , 2020, , 261-305.		3
402	Phytic acid-doped poly-<i>N</i>-phenylglycine potato peels for removal of anionic dyes: investigation of adsorption parameters. <i>New Journal of Chemistry</i> , 2022, 46, 5111-5120.	2.8	3
403	Effective PDT/PTT dual-modal phototherapeutic killing of bacteria by using poly(N-phenylglycine) nanoparticles. <i>Mikrochimica Acta</i> , 2022, 189, 150.	5.0	3
404	Preparation of nanowires on free-standing boron-doped diamond films for high performance micro-capacitors. <i>Electrochimica Acta</i> , 2022, 421, 140500.	5.2	3
405	State of the Art of Chemosensors in a Biomedical Context. <i>Chemosensors</i> , 2022, 10, 199.	3.6	3
406	Theoretical and experimental study of the short and long range sensing using gold nanostructures. , 2010, , .		2
407	pHâ€“responsive phenylboronic acidâ€“modified diamond particles: Switch in carbohydrate capture ability triggers modulation of physicochemical and lectinâ€“recognition properties. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 2124-2130.	1.8	2
408	Carbon-Based Nanostructures for Matrix-Free Mass Spectrometry. <i>Carbon Nanostructures</i> , 2016, , 331-356.	0.1	2
409	Diamond Nanowires: A Recent Success Story for Biosensing. <i>Springer Series on Chemical Sensors and Biosensors</i> , 2017, , 1-18.	0.5	2
410	Near-Infrared Photothermal Heating With Gold Nanostructures. , 2018, , 500-510.		2
411	Graphene-Based Photocatalytic Materials for Conversion of Carbon Dioxide to Solar Fuels. , 2018, , 396-412.		2
412	Electro-Organic Reactions. Part 48: Pathways for Carbon-Carbon Bond Formation: The Redox Chemistry of Quinodimethanes and of Alkenyl-Substituted Heteroaromatics. , 1998, , 259-266.		1
413	Use of experimental design to empirically model atmospheric corrosion of galvanised steel. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 321-327.	2.9	1
414	Nanoscale Architectures for Smart Bio-Interfaces: Advances and Challenges. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
415	Growth mechanism investigation of SnO ₂ thin films deposited by aerosol pyrolysis for biosensor applications: Importance of the thickness. <i>Thin Solid Films</i> , 2012, 520, 3878-3883.	1.8	1
416	Clicking ferrocene to halogenated boron-doped diamond surfaces. <i>Rare Metals</i> , 2013, 32, 100-104.	7.1	1
417	Rhodamine B nanocrystals: elaborations, characterizations and functionalizations for biosensing applications. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 72, 179-188.	2.4	1
418	Raman and FTIR Spectroscopy as Valuable Tools for the Characterization of Graphene-Based Materials. , 2016, , 235-253.		1
419	Aqueous medium-induced micropore formation in plasma polymerized polystyrene: an effective route to inhibit bacteria adhesion. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3674-3683.	5.8	1
420	2D nanomaterials for electroanalysis. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 661-662.	3.7	1
421	Plasmonic Photothermal Therapy with Gold Nanorods/Reduced Graphene Oxide Core/Shell Nanocomposites. , 2015, , 1-8.		1
422	Enhanced gold film-coupled graphene-based plasmonic nanosensor. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
423	Graphene-Microbial Interactions. , 2017, , 289-314.		0
424	Female role models in analytical chemistry: then, now, and in the future. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5873-5874.	3.7	0
425	Plasmon-induced photocatalytic transformations. , 2020, , 249-275.		0
426	Metal Oxide-Graphene Nanocomposites. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2014, , 196-225.	0.3	0
427	CHAPTER 4. Peroxynitrite-Sensitive Electrochemically Active Matrices. <i>RSC Detection Science</i> , 2015, , 63-77.	0.0	0
428	Plasmonic Photothermal Therapy with Gold Nanorods/Reduced Graphene Oxide Core/Shell Nanocomposites. , 2016, , 3287-3294.		0