Sabine Szunerits

List of Publications by Year
in descending order

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428	18,797	12330	30922
papers	citations	69 h-index	102 g-index

440	440	440	22462
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Electrochemical and electronic detection of biomarkers in serum: a systematic comparison using aptamer-functionalized surfaces. Analytical and Bioanalytical Chemistry, 2022, 414, 5319-5327.	3.7	9
3	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. Journal of Hazardous Materials, 2022, 422, 126857.	12.4	65
4	Photocatalytic Performance of Perovskite and Metalâ€“Organic Framework Hybrid Material for the Reduction of N₂ to Ammonia. Inorganic Chemistry, 2022, 61, 1735-1744.	4.0	15
5	Photothermal Activatable Mucoadhesive Fiber Mats for On-Demand Delivery of Insulin via Buccal and Corneal Mucosa. ACS Applied Bio Materials, 2022, 5, 771-778.	4.6	14
6	Innovative transdermal delivery of insulin using gelatin methacrylate-based microneedle patches in mice and mini-pigs. Nanoscale Horizons, 2022, 7, 174-184.	8.0	21
7	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
8	Highly performing graphene-based field effect transistor for the differentiation between mild-moderate-severe myocardial injury. Nano Today, 2022, 43, 101391.	11.9	24
9	Colorimetric assay for the detection of dopamine using bismuth ferrite oxide (Bi2Fe4O9) nanoparticles as an efficient peroxidase-mimic nanozyme. Journal of Colloid and Interface Science, 2022, 613, 384-395.	9.4	33
10	Phytic acid-doped poly-N-phenylglycine potato peels for removal of anionic dyes: investigation of adsorption parameters. New Journal of Chemistry, 2022, 46, 5111-5120.	2.8	3
11	Surface modification of carbon dots with tetraalkylammonium moieties for fine tuning their antibacterial activity. Materials Science and Engineering C, 2022, 134, 112697.	7.3	10
12	Effective PDT/PTT dual-modal phototherapeutic killing of bacteria by using poly(N-phenylglycine) nanoparticles. Mikrochimica Acta, 2022, 189, 150.	5.0	3
13	Adsorption-reduction of Cr(VI) onto unmodified and phytic acid-modified carob waste: Kinetic and isotherm modeling. Chemosphere, 2022, 297, 134188.	8.2	14
14	Catch and release strategy of matrix metalloprotease aptamers via thiolâ€“disulfide exchange reaction on a graphene based electrochemical sensor. Sensors & Diagnostics, 2022, 1, 739-749.	3.8	4
15	Preparation of nanowires on free-standing boron-doped diamond films for high performance micro-capacitors. Electrochimica Acta, 2022, 421, 140500.	5.2	3
16	Singleâ€Step Synthesis of Exfoliated Ti₃C₂T_x MXene through NaBF₄/HCl Etching as Electrode Material for Asymmetric Supercapacitor. ChemistrySelect, 2022, 7, .	1.5	6
17	State of the Art of Chemosensors in a Biomedical Context. Chemosensors, 2022, 10, 199.	3.6	3
18	SARS-CoV-2 detection using a nanobody-functionalized voltammetric device. Communications Medicine, 2022, 2, .	4.2	16

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19	Sensing of COVID-19 spike protein in nasopharyngeal samples using a portable surface plasmon resonance diagnostic system. Sensors & Diagnostics, 2022, 1, 1021-1031.	3.8	8
20	Magnetic MnFe2O4 Coreâ€“shell nanoparticles coated with antibiotics for the ablation of pathogens. Chemical Papers, 2021, 75, 377-387.	2.2	10
21	Colorimetric sensing of dopamine in beef meat using copper sulfide encapsulated within bovine serum albumin functionalized with copper phosphate (CuS-BSA-Cu3(PO4)2) nanoparticles. Journal of Colloid and Interface Science, 2021, 582, 732-740.	9.4	35
22	2D nanomaterials for electroanalysis. Analytical and Bioanalytical Chemistry, 2021, 413, 661-662.	3.7	1
23	The impact of chemical engineering and technological advances on managing diabetes: present and future concepts. Chemical Society Reviews, 2021, 50, 2102-2146.	38.1	28
24	Simultaneous photocatalytic Cr(VI) reduction and phenol degradation over copper sulphide-reduced graphene oxide nanocomposite under visible light irradiation: Performance and reaction mechanism. Chemosphere, 2021, 268, 128798.	8.2	47
25	Reduced graphene oxideâ€“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
26	SERS characterization of aggregated and isolated bacteria deposited on silver-based substrates. Analytical and Bioanalytical Chemistry, 2021, 413, 1417-1428.	3.7	18
27	CoS₂Nanoparticles Supported on rGO, g-C₃N₄, BCN, MoS₂, and WS₂Two-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
28	Carbon quantum dots as a dual platform for the inhibition and light-based destruction of collagen fibers: implications for the treatment of eye floaters. Nanoscale Horizons, 2021, 6, 449-461.	8.0	14
29	Aryne cycloaddition reaction as a facile and mild modification method for design of electrode materials for high-performance symmetric supercapacitor. Electrochimica Acta, 2021, 369, 137667.	5.2	8
30	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
31	The Potential of Developing Pan-Coronaviral Antibodies to Spike Peptides in Convalescent COVID-19 Patients. Archivum Immunologiae Et Therapiae Experimentalis, 2021, 69, 5.	2.3	8
32	In Situ Synthesis of Co₃O₄/CoFe₂O₄ Derived from a Metalâ€“Organic Framework on Nickel Foam: High-Performance Electrocatalyst for Water Oxidation. ACS Applied Energy Materials, 2021, 4, 2951-2959.	5.1	34
33	Cathodic pre-polarization studies on the carbon felt/KOH interface: An efficient metal-free electrocatalyst for hydrogen generation. Electrochimica Acta, 2021, 375, 137981.	5.2	8
34	[1+1] Copper(II) macrocyclic Schiff base complex on rGO as a photocatalyst for reduction of nitroaromatics compounds under visible-light irradiation. Journal of Molecular Liquids, 2021, 328, 115338.	4.9	4
35	Modification of MnFe2O4 surface by Mo (VI) pyridylimine complex as an efficient nanocatalyst for (ep)oxidation of alkenes and sulfides. Journal of Molecular Liquids, 2021, 330, 115690.	4.9	16
36	Colorimetric detection of chromium (VI) ion using poly(N-phenylglycine) nanoparticles acting as a peroxidase mimetic catalyst. Talanta, 2021, 226, 122082.	5.5	32

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37	Enhanced electrocatalytic activity of PtRu/nitrogen and sulphur co-doped crumbled graphene in acid and alkaline media. Journal of Colloid and Interface Science, 2021, 590, 154-163.	9.4	13
38	Rapid Generation of Coronaviral Immunity Using Recombinant Peptide Modified Nanodiamonds. Pathogens, 2021, 10, 861.	2.8	10
39	Flowerâ€like Nitrogenâ€coâ€doped MoS₂@RGO Composites with Excellent Stability for Supercapacitors. ChemElectroChem, 2021, 8, 2903-2911.	3.4	12
40	Enhanced Antibacterial Activity of CuS-BSA/Lysozyme under Near Infrared Light Irradiation. Nanomaterials, 2021, 11, 2156.	4.1	11
41	Non-enzymatic electrochemical cholesterol sensor based on strong host-guest interactions with a polymer of intrinsic microporosity (PIM) with DFT study. Analytical and Bioanalytical Chemistry, 2021, 413, 6523-6533.	3.7	7
42	The importance of the shape of Cu2O nanocrystals on plasmon-enhanced oxygen evolution reaction in alkaline media. Electrochimica Acta, 2021, 390, 138810.	5.2	11
43	Cobalt sulfide-reduced graphene oxide: An efficient catalyst for the degradation of rhodamine B and pentachlorophenol using peroxymonosulfate. Journal of Environmental Chemical Engineering, 2021, 9, 106018.	6.7	20
44	Magnetically driven superhydrophobic/superoleophilic graphene-based polyurethane sponge for highly efficient oil/water separation and demulsification. Separation and Purification Technology, 2021, 274, 118931.	7.9	80
45	A mask-based diagnostic platform for point-of-care screening of Covid-19. Biosensors and Bioelectronics, 2021, 192, 113486.	10.1	29
46	Silicon nanowire-hydrogenated TiO2 core-shell arrays for stable electrochemical micro-capacitors. Electrochimica Acta, 2021, 396, 139198.	5.2	6
47	Controlled covalent functionalization of a graphene-channel of a field effect transistor as an ideal platform for (bio)sensing applications. Nanoscale Horizons, 2021, 6, 819-829.	8.0	24
48	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
49	Preparation of magnetic, superhydrophobic/superoleophilic polyurethane sponge: Separation of oil/water mixture and demulsification. Chemical Engineering Journal, 2020, 384, 123339.	12.7	144
50	Electrothermal patches driving the transdermal delivery of insulin. Nanoscale Horizons, 2020, 5, 663-670.	8.0	30
51	Functionalized MoS2/polyurethane sponge: An efficient scavenger for oil in water. Separation and Purification Technology, 2020, 238, 116420.	7.9	37
52	Electrochemical, theoretical and surface physicochemical studies of the alkaline copper corrosion inhibition by newly synthesized molecular complexes of benzenediamine and tetraamine with Ï€ acceptor. Journal of Molecular Liquids, 2020, 320, 114386.	4.9	8
53	Preparation of boron-doped diamond nanospikes on porous Ti substrate for high-performance supercapacitors. Electrochimica Acta, 2020, 354, 136649.	5.2	14
54	Magnetic polyurethane sponge for efficient oil adsorption and separation of oil from oil-in-water emulsions. Separation and Purification Technology, 2020, 240, 116627.	7.9	93

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55	Plasmon-Driven Electrochemical Methanol Oxidation on Gold Nanohole Electrodes. ACS Applied Materials & Interfaces, 2020, 12, 50426-50432.	8.0	21
56	Electronic biosensors based on graphene FETs. Methods in Enzymology, 2020, 642, 371-401.	1.0	5
57	An â€˜on-demandâ€™ photothermal antibiotic release cryogel patch: evaluation of efficacy on anex vivomodel for skin wound infection. Biomaterials Science, 2020, 8, 5911-5919.	5.4	27
58	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
59	Photothermally Active Cryogel Devices for Effective Release of Antimicrobial Peptides: On-Demand Treatment of Infections. ACS Applied Materials & Interfaces, 2020, 12, 56805-56814.	8.0	22
60	Plasmon-enhanced electrocatalytic oxygen reduction in alkaline media on gold nanohole electrodes. Journal of Materials Chemistry A, 2020, 8, 10395-10401.	10.3	12
61	Electrochemical biosensing with odorant binding proteins. Methods in Enzymology, 2020, 642, 345-369.	1.0	6
62	Dual Monitoring of Surface Reactions in Real Time by Combined Surface-Plasmon Resonance and Field-Effect Transistor Interrogation. Journal of the American Chemical Society, 2020, 142, 11709-11716.	13.7	33
63	Rapid and sensitive identification of uropathogenic Escherichia coli using a surface-enhanced-Raman-scattering-based biochip. Talanta, 2020, 219, 121174.	5.5	16
64	Female role models in analytical chemistry: then, now, and in the future. Analytical and Bioanalytical Chemistry, 2020, 412, 5873-5874.	3.7	0
65	Graphene oxide chemically reduced and functionalized with KOH-PEI for efficient Cr(VI) adsorption and reduction in acidic medium. Chemosphere, 2020, 258, 127316.	8.2	77
66	Aluminum based metal-organic framework integrated with reduced graphene oxide for improved supercapacitive performance. Electrochimica Acta, 2020, 353, 136609.	5.2	21
67	Plasmon-induced photocatalytic transformations. , 2020, , 249-275.		0
68	Graphene Oxide Nanosheets for Localized Hyperthermiaâ€”Physicochemical Characterization, Biocompatibility, and Induction of Tumor Cell Death. Cells, 2020, 9, 776.	4.1	16
69	Nanoscale materials for the treatment of water contaminated by bacteria and viruses. , 2020, , 261-305.		3
70	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. Journal of Colloid and Interface Science, 2020, 579, 520-530.	9.4	33
71	Magneto-Optical Nanostructures for Viral Sensing. Nanomaterials, 2020, 10, 1271.	4.1	13
72	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

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73	Copperâ€based metalâ€“organic framework decorated by CuO hairâ€like nanostructures: Electrocatalyst for oxygen evolution reaction. Applied Organometallic Chemistry, 2020, 34, e5871.	3.5	11
74	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
75	Ultrasmall CuS-BSA-Cu3(PO4)2 nanozyme for highly efficient colorimetric sensing of H2O2 and glucose in contact lens care solutions and human serum. Analytica Chimica Acta, 2020, 1109, 78-89.	5.4	34
76	Enhanced electrocatalytic hydrogen evolution on a plasmonic electrode: the importance of the Ti/TiO2 adhesion layer. Journal of Materials Chemistry A, 2020, 8, 13980-13986.	10.3	10
77	Interaction of cellulose and nitrodopamine coated superparamagnetic iron oxide nanoparticles with alpha-lactalbumin. RSC Advances, 2020, 10, 9704-9716.	3.6	14
78	CoO Promoted the Catalytic Activity of Nitrogen-Doped MoS₂ Supported on Carbon Fibers for Overall Water Splitting. ACS Applied Materials & Interfaces, 2019, 11, 31889-31898.	8.0	72
79	Ag and Au nanoparticles/reduced graphene oxide composite materials: Synthesis and application in diagnostics and therapeutics. Advances in Colloid and Interface Science, 2019, 271, 101991.	14.7	102
80	Dopamine-functionalized cyclodextrins: modification of reduced graphene oxide based electrodes and sensing of folic acid in human serum. Analytical and Bioanalytical Chemistry, 2019, 411, 5149-5157.	3.7	10
81	Functional Carbon Quantum Dots as Medical Countermeasures to Human Coronavirus. ACS Applied Materials & Interfaces, 2019, 11, 42964-42974.	8.0	231
82	Self-template synthesis of ZnS/Ni3S2 as advanced electrode material for hybrid supercapacitors. Electrochimica Acta, 2019, 328, 135065.	5.2	32
83	CuS Decorated Functionalized Reduced Graphene Oxide: A Dual Responsive Nanozyme for Selective Detection and Photoreduction of Cr(VI) in an Aqueous Medium. ACS Sustainable Chemistry and Engineering, 2019, 7, 16131-16143.	6.7	63
84	Mucin modified SPR interfaces for studying the effect of flow on pathogen binding to Atlantic salmon mucins. Biosensors and Bioelectronics, 2019, 146, 111736.	10.1	10
85	Cu(0) nanoparticle-decorated functionalized reduced graphene oxide sheets as artificial peroxidase enzymes: application for colorimetric detection of Cr(<scp>vi</scp>) ions. New Journal of Chemistry, 2019, 43, 1404-1414.	2.8	23
86	Plasmon-Induced Electrocatalysis with Multi-Component Nanostructures. Materials, 2019, 12, 43.	2.9	17
87	Excellent photocatalytic reduction of nitroarenes to aminoarenes by BiVO₄ nanoparticles grafted on reduced graphene oxide (rGO/BiVO₄). Applied Organometallic Chemistry, 2019, 33, e5059.	3.5	19
88	Carbon-based quantum particles: an electroanalytical and biomedical perspective. Chemical Society Reviews, 2019, 48, 4281-4316.	38.1	187
89	Manganese Ferrite Nanoparticles Modified by Mo(VI) Complex: Highly Efficient Catalyst for Sulfides and Olefins Oxidation Under Solventâ€less Condition. ChemistrySelect, 2019, 4, 7116-7122.	1.5	6
90	Near-infrared light activatable hydrogels for metformin delivery. Nanoscale, 2019, 11, 15810-15820.	5.6	30

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91	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. ACS Applied Energy Materials, 2019, 2, 4450-4457.	5.1	35
92	A facile preparation of CuS-BSA nanocomposite as enzyme mimics: Application for selective and sensitive sensing of Cr(VI) ions. Sensors and Actuators B: Chemical, 2019, 294, 253-262.	7.8	64
93	Exploring Light-Sensitive Nanocarriers for Simultaneous Triggered Antibiotic Release and Disruption of Biofilms Upon Generation of Laser-Induced Vapor Nanobubbles. Pharmaceutics, 2019, 11, 201.	4.5	26
94	High performance silicon nanowires/ruthenium nanoparticles micro-supercapacitors. Electrochimica Acta, 2019, 311, 150-159.	5.2	30
95	High-Energy Flexible Supercapacitorâ€"Synergistic Effects of Polyhydroquinone and RuO₂Â·xH₂O with Microsized, Few-Layered, Self-Supportive Exfoliated-Graphite Sheets. ACS Applied Materials & Interfaces, 2019, 11, 18349-18360.	8.0	49
96	â€œClickâ€•Chemistry on Gold Electrodes Modified with Reduced Graphene Oxide by Electrophoretic Deposition. Surfaces, 2019, 2, 193-204.	2.3	15
97	Efficient capture and photothermal ablation of planktonic bacteria and biofilms using reduced graphene oxideâ€"polyethyleneimine flexible nanoheaters. Journal of Materials Chemistry B, 2019, 7, 2771-2781.	5.8	31
98	Interaction of Human Î±-1-Acid Glycoprotein (AGP) with Citrate-Stabilized Gold Nanoparticles: Formation of Unexpectedly Strong Binding Events. Journal of Physical Chemistry C, 2019, 123, 5073-5083.	3.1	10
99	Electrochemical cardiovascular platforms: Current state of the art and beyond. Biosensors and Bioelectronics, 2019, 131, 287-298.	10.1	55
100	Graphene-modified electrodes for sensing doxorubicin hydrochloride in human plasma. Analytical and Bioanalytical Chemistry, 2019, 411, 1509-1516.	3.7	39
101	Aluminum oxide nanowires as safe and effective adjuvants for next-generation vaccines. Materials Today, 2019, 22, 58-66.	14.2	30
102	PMS activation using reduced graphene oxide under sonication: Efficient metal-free catalytic system for the degradation of rhodamine B, bisphenol A, and tetracycline. Ultrasonics Sonochemistry, 2019, 52, 164-175.	8.2	89
103	Modulation of localized surface plasmon resonances of a silver nanoparticle array upon the presence of MoS2 coatings or underlying thin films. Optik, 2019, 179, 819-827.	2.9	9
104	Core-shell Ni/NiO grafted cobalt (II) complex: An efficient inorganic nanocomposite for photocatalytic reduction of CO2 under visible light irradiation. Applied Surface Science, 2019, 467-468, 370-381.	6.1	49
105	Evaporation behavior of PEGylated graphene oxide nanofluid droplets on heated substrate. International Journal of Thermal Sciences, 2019, 135, 445-458.	4.9	23
106	Entrapment of uropathogenic E. coli cells into ultra-thin sol-gel matrices on gold thin films: A low cost alternative for impedimetric bacteria sensing. Biosensors and Bioelectronics, 2019, 124-125, 161-166.	10.1	29
107	Efficient reduction of Cr(VI) under visible light irradiation using CuS nanostructures. Arabian Journal of Chemistry, 2019, 12, 215-224.	4.9	40
108	NiFe layered double hydroxide electrodeposited on Ni foam coated with reduced graphene oxide for high-performance supercapacitors. Electrochimica Acta, 2019, 302, 1-9.	5.2	89

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109	Interaction of 4 allotropic modifications of carbon nanoparticles with living tissues. Ukrainian Biochemical Journal, 2019, 91, 41-50.	0.5	4
110	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. Journal of Colloid and Interface Science, 2018, 525, 76-85.	9.4	55
111	Graphene-based biosensors. Interface Focus, 2018, 8, 20160132.	3.0	110
112	Aqueous medium-induced micropore formation in plasma polymerized polystyrene: an effective route to inhibit bacteria adhesion. Journal of Materials Chemistry B, 2018, 6, 3674-3683.	5.8	1
113	Effect of high Fe doping on Raman modes and optical properties of hydrothermally prepared SnO 2 nanoparticles. Materials Science in Semiconductor Processing, 2018, 77, 31-39.	4.0	44
114	Sensitive electrochemical detection of cardiac troponin I in serum and saliva by nitrogen-doped porous reduced graphene oxide electrode. Sensors and Actuators B: Chemical, 2018, 262, 180-187.	7.8	108
115	Porous reduced graphene oxide modified electrodes for the analysis of protein aggregation. Part 2: Application to the analysis of calcitonin containing pharmaceutical formulation. Electrochimica Acta, 2018, 266, 364-372.	5.2	5
116	Nucleic aptamer modified porous reduced graphene oxide/MoS2 based electrodes for viral detection: Application to human papillomavirus (HPV). Sensors and Actuators B: Chemical, 2018, 262, 991-1000.	7.8	82
117	Reduced graphene oxide/polyethylenimine based immunosensor for the selective and sensitive electrochemical detection of uropathogenic Escherichia coli. Sensors and Actuators B: Chemical, 2018, 260, 255-263.	7.8	86
118	Graphene-based nanomaterials in innovative electrochemistry. Current Opinion in Electrochemistry, 2018, 10, 24-30.	4.8	22
119	Graphene-based bioelectrochemistry and bioelectronics: A concept for the future?. Current Opinion in Electrochemistry, 2018, 12, 141-147.	4.8	7
120	Magnetically Reusable MnFe₂O₄ Nanoparticles Modified with Oxoâ€Peroxo Mo (VI) Schiffâ€Base Complexes: A High Efficiency Catalyst for Olefin Epoxidation under Solventâ€Free Conditions. ChemistrySelect, 2018, 3, 2877-2881.	1.5	15
121	Controlled modification of electrochemical microsystems with polyethylenimine/reduced graphene oxide using electrophoretic deposition: Sensing of dopamine levels in meat samples. Talanta, 2018, 178, 432-440.	5.5	30
122	Magnetic Fe3O4@V2O5/rGO nanocomposite as a recyclable photocatalyst for dye molecules degradation under direct sunlight irradiation. Chemosphere, 2018, 191, 503-513.	8.2	70
123	One-step immersion for fabrication of superhydrophobic/superoleophilic carbon felts with fire resistance: Fast separation and removal of oil from water. Chemical Engineering Journal, 2018, 331, 372-382.	12.7	48
124	Cobalt phthalocyanine-supported reduced graphene oxide: A highly efficient catalyst for heterogeneous activation of peroxymonosulfate for rhodamine B and pentachlorophenol degradation. Chemical Engineering Journal, 2018, 336, 465-475.	12.7	72
125	Au Ni alloy nanoparticles supported on reduced graphene oxide as highly efficient electrocatalysts for hydrogen evolution and oxygen reduction reactions. International Journal of Hydrogen Energy, 2018, 43, 1424-1438.	7.1	42
126	Near-Infrared Photothermal Heating With Gold Nanostructures. , 2018, , 500-510.		2

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127	In vitro Assessment of the Probiotic Properties and Bacteriocinogenic Potential of Pediococcus pentosaceus MZF16 Isolated From Artisanal Tunisian Meat â€œDried Ossbanâ€• Frontiers in Microbiology, 2018, 9, 2607.	3.5	43
128	Electrochemical Aptamer-Based Biosensors for the Detection of Cardiac Biomarkers. ACS Omega, 2018, 3, 12010-12018.	3.5	111
129	Reduced Graphene-Oxide-Embedded Polymeric Nanofiber Mats: An â€œOn-Demandâ€•Photothermally Triggered Antibiotic Release Platform. ACS Applied Materials & Interfaces, 2018, 10, 41098-41106.	8.0	75
130	Improved photodynamic effect through encapsulation of two photosensitizers in lipid nanocapsules. Journal of Materials Chemistry B, 2018, 6, 5949-5963.	5.8	15
131	Electrochemical Methodologies for the Detection of Pathogens. ACS Sensors, 2018, 3, 1069-1086.	7.8	178
132	Solution Processable Cu(II)macrocycle for the Formation of Cu₂O Thin Film on Indium Tin Oxide and Its Application for Water Oxidation. Journal of Physical Chemistry C, 2018, 122, 16510-16518.	3.1	25
133	Enhanced antibacterial activity of carbon dots functionalized with ampicillin combined with visible light triggered photodynamic effects. Colloids and Surfaces B: Biointerfaces, 2018, 170, 347-354.	5.0	98
134	Graphene-Based Photocatalytic Materials for Conversion of Carbon Dioxide to Solar Fuels. , 2018, , 396-412.		2
135	Oligomannose-Rich Membranes of Dying Intestinal Epithelial Cells Promote Host Colonization by Adherent-Invasive E. coli. Frontiers in Microbiology, 2018, 9, 742.	3.5	15
136	Mesoporous silica nanoparticles in recent photodynamic therapy applications. Photochemical and Photobiological Sciences, 2018, 17, 1651-1674.	2.9	47
137	Heat: A Highly Efficient Skin Enhancer for Transdermal Drug Delivery. Frontiers in Bioengineering and Biotechnology, 2018, 6, 15.	4.1	79
138	Repeated photoporation with graphene quantum dots enables homogeneous labeling of live cells with extrinsic markers for fluorescence microscopy. Light: Science and Applications, 2018, 7, 47.	16.6	50
139	Fe-doped SnO2 decorated reduced graphene oxide nanocomposite with enhanced visible light photocatalytic activity. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 367, 145-155.	3.9	26
140	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
141	Label-free femtomolar cancer biomarker detection in human serum using graphene-coated surface plasmon resonance chips. Biosensors and Bioelectronics, 2017, 89, 606-611.	10.1	104
142	Atomic Force Microscopic and Raman Investigation of Boron-Doped Diamond Nanowire Electrodes and Their Activity toward Oxygen Reduction. Journal of Physical Chemistry C, 2017, 121, 3397-3403.	3.1	13
143	Solvothermal synthesis of CoS/reduced porous graphene oxide nanocomposite for selective colorimetric detection of Hg(II) ion in aqueous medium. Sensors and Actuators B: Chemical, 2017, 244, 684-692.	7.8	80
144	Nickel oxide nanoparticles grafted on reduced graphene oxide (rGO/NiO) as efficient photocatalyst for reduction of nitroaromatics under visible light irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 336, 198-207.	3.9	54

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145	Co₂SnO₄ nanoparticles as a high performance catalyst for oxidative degradation of rhodamine B dye and pentachlorophenol by activation of peroxymonosulfate. Physical Chemistry Chemical Physics, 2017, 19, 6569-6578.	2.8	48
146	Characterization of peptide attachment on silicon nanowires by X-ray photoelectron spectroscopy and mass spectrometry. Analyst, The, 2017, 142, 969-978.	3.5	10
147	Graphene-Microbial Interactions. , 2017, , 289-314.		0
148	On demand electrochemical release of drugs from porous reduced graphene oxide modified flexible electrodes. Journal of Materials Chemistry B, 2017, 5, 6557-6565.	5.8	13
149	Coreâ€“shell structured reduced graphene oxide wrapped magnetically separable rGO@CuZnO@Fe3O4 microspheres as superior photocatalyst for CO2 reduction under visible light. Applied Catalysis B: Environmental, 2017, 205, 654-665.	20.2	111
150	Transdermal skin patch based on reduced graphene oxide: A new approach for photothermal triggered permeation of ondansetron across porcine skin. Journal of Controlled Release, 2017, 245, 137-146.	9.9	63
151	Facile synthesis of fluorinated polydopamine/chitosan/reduced graphene oxide composite aerogel for efficient oil/water separation. Chemical Engineering Journal, 2017, 326, 17-28.	12.7	255
152	Revealing the structure and functionality of graphene oxide and reduced graphene oxide/pyrene carboxylic acid interfaces by correlative spectral and imaging analysis. Physical Chemistry Chemical Physics, 2017, 19, 16038-16046.	2.8	22
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