

Sabine Szunerits

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

424
papers

14,406
citations

61
h-index

88
g-index

440
ext. papers

16,633
ext. citations

6.4
avg, IF

6.92
L-index

#	Paper	IF	Citations
424	Innovative transdermal delivery of insulin using gelatin methacrylate-based microneedle patches in mice and mini-pigs.. <i>Nanoscale Horizons</i> , 2022 ,	10.8	2
423	Highly performing graphene-based field effect transistor for the differentiation between mild-moderate-severe myocardial injury. <i>Nano Today</i> , 2022 , 43, 101391	17.9	1
422	Colorimetric assay for the detection of dopamine using bismuth ferrite oxide (BiFeO) nanoparticles as an efficient peroxidase-mimic nanozyme.. <i>Journal of Colloid and Interface Science</i> , 2022 , 613, 384-395	9.3	3
421	Surface modification of carbon dots with tetraalkylammonium moieties for fine tuning their antibacterial activity.. <i>Materials Science and Engineering C</i> , 2022 , 112697	8.3	0
420	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	12.8	20
419	Effective PDT/PTT dual-modal phototherapeutic killing of bacteria by using poly(N-phenylglycine) nanoparticles.. <i>Mikrochimica Acta</i> , 2022 , 189, 150	5.8	1
418	Adsorption-reduction of Cr(VI) onto unmodified and phytic acid-modified carob waste: Kinetic and isotherm modeling.. <i>Chemosphere</i> , 2022 , 134188	8.4	0
417	Preparation of nanowires on free-standing boron-doped diamond films for high performance micro-capacitors. <i>Electrochimica Acta</i> , 2022 , 421, 140500	6.7	
416	State of the Art of Chemosensors in a Biomedical Context. <i>Chemosensors</i> , 2022 , 10, 199	4	1
415	SARS-CoV-2 detection using a nanobody-functionalized voltammetric device. <i>Communications Medicine</i> , 2022 , 2,		2
414	Preanalytical Issues and Cycle Threshold Values in SARS-CoV-2 Real-Time RT-PCR Testing: Should Test Results Include These?. <i>ACS Omega</i> , 2021 , 6, 6528-6536	3.9	25
413	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	4	1
412	In Situ Synthesis of Co ₃ O ₄ /CoFe ₂ O ₄ Derived from a MetalOrganic Framework on Nickel Foam: High-Performance Electrocatalyst for Water Oxidation. <i>ACS Applied Energy Materials</i> , 2021 , 4, 2951-2959	6.1	12
411	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	6.7	3
410	[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	6	2
409	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	6	2
408	Colorimetric detection of chromium (VI) ion using poly(N-phenylglycine) nanoparticles acting as a peroxidase mimetic catalyst. <i>Talanta</i> , 2021 , 226, 122082	6.2	7

407	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	9.3	5
406	Magnetic MnFe ₂ O ₄ Core-shell nanoparticles coated with antibiotics for the ablation of pathogens. <i>Chemical Papers</i> , 2021 , 75, 377-387	1.9	6
405	Colorimetric sensing of dopamine in beef meat using copper sulfide encapsulated within bovine serum albumin functionalized with copper phosphate (CuS-BSA-Cu(PO)) nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2021 , 582, 732-740	9.3	12
404	The impact of chemical engineering and technological advances on managing diabetes: present and future concepts. <i>Chemical Society Reviews</i> , 2021 , 50, 2102-2146	58.5	12
403	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	8.4	15
402	Reduced graphene oxide-based field effect transistors for the detection of E7 protein of human papillomavirus in saliva. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 779-787	4.4	23
401	SERS characterization of aggregated and isolated bacteria deposited on silver-based substrates. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 1417-1428	4.4	7
400	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. <i>ACS Applied Energy Materials</i> , 2021 , 4, 1269-1285	6.1	10
399	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	10.8	2
398	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	6.7	4
397	The role of the surface ligand on the performance of electrochemical SARS-CoV-2 antigen biosensors. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 1	4.4	7
396	Rapid Generation of Coronaviral Immunity Using Recombinant Peptide Modified Nanodiamonds. <i>Pathogens</i> , 2021 , 10,	4.5	2
395	Flower-like Nitrogen-co-doped MoS ₂ @RGO Composites with Excellent Stability for Supercapacitors. <i>ChemElectroChem</i> , 2021 , 8, 2903-2911	4.3	2
394	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	4.4	3
393	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	6.7	2
392	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	6.8	3
391	Electrochemical and electronic detection of biomarkers in serum: a systematic comparison using aptamer-functionalized surfaces. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 1	4.4	1
390	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	8.3	26

389	A mask-based diagnostic platform for point-of-care screening of Covid-19. <i>Biosensors and Bioelectronics</i> , 2021 , 192, 113486	11.8	9
388	Silicon nanowire-hydrogenated TiO ₂ core-shell arrays for stable electrochemical micro-capacitors. <i>Electrochimica Acta</i> , 2021 , 396, 139198	6.7	2
387	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	10.8	5
386	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	9.5	9
385	Plasmon-enhanced electrocatalytic oxygen reduction in alkaline media on gold nanohole electrodes. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10395-10401	13	7
384	Electrochemical biosensing with odorant binding proteins. <i>Methods in Enzymology</i> , 2020 , 642, 345-369	1.7	2
383	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	16.4	15
382	Rapid and sensitive identification of uropathogenic Escherichia coli using a surface-enhanced-Raman-scattering-based biochip. <i>Talanta</i> , 2020 , 219, 121174	6.2	8
381	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	8.4	37
380	Aluminum based metal-organic framework integrated with reduced graphene oxide for improved supercapacitive performance. <i>Electrochimica Acta</i> , 2020 , 353, 136609	6.7	12
379	Plasmon-induced photocatalytic transformations 2020 , 249-275		
378	Graphene Oxide Nanosheets for Localized Hyperthermia-Physicochemical Characterization, Biocompatibility, and Induction of Tumor Cell Death. <i>Cells</i> , 2020 , 9,	7.9	9
377	Nanoscale materials for the treatment of water contaminated by bacteria and viruses 2020 , 261-305		
376	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	9.3	12
375	Magneto-Optical Nanostructures for Viral Sensing. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
374	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. <i>Electrochimica Acta</i> , 2020 , 354, 136664	6.7	9
373	Copper-based metal-organic framework decorated by CuO hair-like nanostructures: Electrocatalyst for oxygen evolution reaction. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5871	3.1	3
372	Surface Functionalization with Polyethylene Glycol and Polyethyleneimine Improves the Performance of Graphene-Based Materials for Safe and Efficient Intracellular Delivery by Laser-Induced Photoporation. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	11

371	Ultrasmall CuS-BSA-Cu(PO) nanozyme for highly efficient colorimetric sensing of HO and glucose in contact lens care solutions and human serum. <i>Analytica Chimica Acta</i> , 2020 , 1109, 78-89	6.6	21
370	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	13	8
369	Interaction of cellulose and nitrodopamine coated superparamagnetic iron oxide nanoparticles with alpha-lactalbumin.. <i>RSC Advances</i> , 2020 , 10, 9704-9716	3.7	11
368	High'Quality Carbon Nanotubes and Graphene Produced from MOFs for Supercapacitor Application 2020 , 87-117		
367	Preparation of magnetic, superhydrophobic/superoleophilic polyurethane sponge: Separation of oil/water mixture and demulsification. <i>Chemical Engineering Journal</i> , 2020 , 384, 123339	14.7	81
366	Electrothermal patches driving the transdermal delivery of insulin. <i>Nanoscale Horizons</i> , 2020 , 5, 663-670	10.8	14
365	Functionalized MoS ₂ /polyurethane sponge: An efficient scavenger for oil in water. <i>Separation and Purification Technology</i> , 2020 , 238, 116420	8.3	20
364	Electrochemical, theoretical and surface physicochemical studies of the alkaline copper corrosion inhibition by newly synthesized molecular complexes of benzenediamine and tetraamine with □ acceptor. <i>Journal of Molecular Liquids</i> , 2020 , 320, 114386	6	3
363	Preparation of boron-doped diamond nanopikes on porous Ti substrate for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2020 , 354, 136649	6.7	7
362	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	8.3	59
361	Plasmon-Driven Electrochemical Methanol Oxidation on Gold Nanohole Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 50426-50432	9.5	12
360	Electronic biosensors based on graphene FETs. <i>Methods in Enzymology</i> , 2020 , 642, 371-401	1.7	4
359	An 'on-demand' photothermal antibiotic release cryogel patch: evaluation of efficacy on an ex vivo model for skin wound infection. <i>Biomaterials Science</i> , 2020 , 8, 5911-5919	7.4	11
358	Formation of a Highly Stable and Nontoxic Protein Corona upon Interaction of Human H1-Acid Glycoprotein (AGP) with Citrate-Stabilized Silver Nanoparticles. <i>Langmuir</i> , 2020 , 36, 10321-10330	4	7
357	Fabrication of superhydrophobic/superoleophilic functionalized reduced graphene oxide/polydopamine/PFDT membrane for efficient oil/water separation. <i>Separation and Purification Technology</i> , 2020 , 236, 116240	8.3	21
356	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	8.3	35
355	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	11.8	2
354	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	3.6	18

353	Excellent photocatalytic reduction of nitroarenes to aminoarenes by BiVO ₄ nanoparticles grafted on reduced graphene oxide (rGO/BiVO ₄). <i>Applied Organometallic Chemistry</i> , 2019 , 33, e5059	3.1	9
352	Carbon-based quantum particles: an electroanalytical and biomedical perspective. <i>Chemical Society Reviews</i> , 2019 , 48, 4281-4316	58.5	119
351	Manganese Ferrite Nanoparticles Modified by Mo(VI) Complex: Highly Efficient Catalyst for Sulfides and Olefins Oxidation Under Solvent-less Condition. <i>ChemistrySelect</i> , 2019 , 4, 7116-7122	1.8	4
350	Near-infrared light activatable hydrogels for metformin delivery. <i>Nanoscale</i> , 2019 , 11, 15810-15820	7.7	17
349	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 ²²	6.1	22
348	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	8.5	38
347	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,	6.4	14
346	High performance silicon nanowires/ruthenium nanoparticles micro-supercapacitors. <i>Electrochimica Acta</i> , 2019 , 311, 150-159	6.7	18
345	High-Energy Flexible Supercapacitor-Synergistic Effects of Polyhydroquinone and RuO ₂ /xHO with Microsized, Few-Layered, Self-Supportive Exfoliated-Graphite Sheets. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 18349-18360	9.5	28
344	Click Chemistry on Gold Electrodes Modified with Reduced Graphene Oxide by Electrophoretic Deposition. <i>Surfaces</i> , 2019 , 2, 193-204	2.9	8
343	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 ²⁶	7.3	26
342	Interaction of Human H-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 ^{3.8}	3.8	6
341	Electrochemical cardiovascular platforms: Current state of the art and beyond. <i>Biosensors and Bioelectronics</i> , 2019 , 131, 287-298	11.8	30
340	Graphene-modified electrodes for sensing doxorubicin hydrochloride in human plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 1509-1516	4.4	24
339	CoO Promoted the Catalytic Activity of Nitrogen-Doped MoS Supported on Carbon Fibers for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 31889-31898	9.5	36
338	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	14.3	57
337	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	4.4	9
336	Functional Carbon Quantum Dots as Medical Countermeasures to Human Coronavirus. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 42964-42974	9.5	151

335	Self-template synthesis of ZnS/Ni ₃ S ₂ as advanced electrode material for hybrid supercapacitors. <i>Electrochimica Acta</i> , 2019 , 328, 135065	6.7	17
334	Stimuli-Responsive Graphene-Based Matrices for Smart Therapeutics 2019 , 507-533		
333	Interaction of 4 allotropic modifications of carbon nanoparticles with living tissues. <i>Ukrainian Biochemical Journal</i> , 2019 , 91, 41-50	0.7	3
332	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	6.7	49
331	Aluminum oxide nanowires as safe and effective adjuvants for next-generation vaccines. <i>Materials Today</i> , 2019 , 22, 58-66	21.8	21
330	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	8.9	44
329	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	2.5	6
328	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	6.7	35
327	Evaporation behavior of PEGylated graphene oxide nanofluid droplets on heated substrate. <i>International Journal of Thermal Sciences</i> , 2019 , 135, 445-458	4.1	10
326	Entrapment of uropathogenic E. coli 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	11.8	15
325	Efficient reduction of Cr(VI) under visible light irradiation using CuS nanostructures. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 215-224	5.9	27
324	Plasmon-Induced Electrocatalysis with Multi-Component Nanostructures. <i>Materials</i> , 2018 , 12,	3.5	9
323	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	9.3	37
322	Graphene-based biosensors. <i>Interface Focus</i> , 2018 , 8, 20160132	3.9	69
321	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	7.3	1
320	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	4.3	27
319	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	8.5	76
318	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	6.7	4

317	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	8.5	49
316	Reduced graphene oxide/polyethylenimine based immunosensor for the selective and sensitive electrochemical detection of uropathogenic Escherichia coli. <i>Sensors and Actuators B: Chemical</i> , 2018 , 260, 255-263	8.5	57
315	Graphene-based nanomaterials in innovative electrochemistry. <i>Current Opinion in Electrochemistry</i> , 2018 , 10, 24-30	7.2	14
314	Graphene-based bioelectrochemistry and bioelectronics: A concept for the future?. <i>Current Opinion in Electrochemistry</i> , 2018 , 12, 141-147	7.2	4
313	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	1.8	7
312	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	6.2	23
311	Magnetic FeO@VO/rGO nanocomposite as a recyclable photocatalyst for dye molecules degradation under direct sunlight irradiation. <i>Chemosphere</i> , 2018 , 191, 503-513	8.4	50
310	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	14.7	43
309	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	6	62
308	Graphene-Based Photocatalytic Materials for Conversion of Carbon Dioxide to Solar Fuels 2018 , 396-412		2
307	Oligomannose-Rich Membranes of Dying Intestinal Epithelial Cells Promote Host Colonization by Adherent-Invasive. <i>Frontiers in Microbiology</i> , 2018 , 9, 742	5.7	9
306	Mesoporous silica nanoparticles in recent photodynamic therapy applications. <i>Photochemical and Photobiological Sciences</i> , 2018 , 17, 1651-1674	4.2	30
305	Heat: A Highly Efficient Skin Enhancer for Transdermal Drug Delivery. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018 , 6, 15	5.8	47
304	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	16.7	35
303	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	4.7	18
302	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	14.7	52
301	AuNi 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	6.7	32
300	Near-Infrared Photothermal Heating With Gold Nanostructures 2018 , 500-510		1

299	Assessment of the Probiotic Properties and Bacteriocinogenic Potential of MZF16 Isolated From Artisanal Tunisian Meat "Dried Ossban". <i>Frontiers in Microbiology</i> , 2018 , 9, 2607	5.7	23
298	Electrochemical Aptamer-Based Biosensors for the Detection of Cardiac Biomarkers. <i>ACS Omega</i> , 2018 , 3, 12010-12018	3.9	67
297	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	9.5	51
296	Improved photodynamic effect through encapsulation of two photosensitizers in lipid nanocapsules. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 5949-5963	7.3	9
295	Electrochemical Methodologies for the Detection of Pathogens. <i>ACS Sensors</i> , 2018 , 3, 1069-1086	9.2	108
294	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	3.8	19
293	Surface Plasmon Resonance based sensing of lysozyme in serum on Micrococcus lysodeikticus-modified graphene oxide surfaces. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 525-531	11.8	43
292	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	11.8	73
291	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	3.8	8
290	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	8.5	62
289	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	4.7	37
288	CoSnO 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	3.6	33
287	Characterization of peptide attachment on silicon nanowires by X-ray photoelectron spectroscopy and mass spectrometry. <i>Analyst, The</i> , 2017 , 142, 969-978	5	9
286	Graphene-Microbial Interactions 2017 , 289-314		
285	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	7.3	10
284	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	21.8	82
283	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	11.7	52
282	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	14.7	192

281	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	3.6	20
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