

Rabah Boukherroub

List of Publications by Year in descending order

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670
papers

27,789
citations

7251

80
h-index

21239

119
g-index

711
all docs

711
docs citations

711
times ranked

33702
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile and secure synthesis of porous partially fluorinated graphene employing weakly coordinating anion for enhanced high-performance symmetric supercapacitor. <i>Journal of Materiomics</i> , 2022, 8, 113-122.	2.8	8
2	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.	1.9	9
3	Surface modification of silicon nanowires for biosensing. , 2022, , 25-68.		1
4	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.	6.5	65
5	Biocompatibility of semiconducting silicon nanowires. , 2022, , 69-110.		0
6	Facile Synthesis of Bimetal Nickel Cobalt Phosphate Nanostructures for High-Performance Hybrid Supercapacitors. <i>Journal of Alloys and Compounds</i> , 2022, 893, 162340.	2.8	32
7	Synthesis and characterization of palladium nanoparticles immobilized on graphene oxide functionalized with triethylenetetramine or 2,6-diaminopyridine and application for the Suzuki cross-coupling reaction. <i>Journal of Organometallic Chemistry</i> , 2022, 957, 122160.	0.8	14
8	A green and sensitive guanine-based DNA biosensor for idarubicin anticancer monitoring in biological samples: A simple and fast strategy for control of health quality in chemotherapy procedure confirmed by docking investigation. <i>Chemosphere</i> , 2022, 291, 132928.	4.2	194
9	A newly synthesized bipyridine-containing manganese (Mn^{2+}) complex immobilized on graphene oxide as active electrocatalyst for hydrogen gas production from alkaline solutions: Experimental and theoretical studies. <i>International Journal of Energy Research</i> , 2022, 46, 6577-6593.	2.2	2
10	Emerging advances and current applications of nanoMOF-based membranes for water treatment. <i>Chemosphere</i> , 2022, 292, 133369.	4.2	13
11	An efficient CuO/rGO/TiO ₂ photocatalyst for the synthesis of benzopyranopyrimidine compounds under visible light irradiation. <i>New Journal of Chemistry</i> , 2022, 46, 3817-3830.	1.4	8
12	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.	2.3	14
13	Innovative transdermal delivery of insulin using gelatin methacrylate-based microneedle patches in mice and mini-pigs. <i>Nanoscale Horizons</i> , 2022, 7, 174-184.	4.1	21
14	The holy grail of pyrene-based surface ligands on the sensitivity of graphene-based field effect transistors. <i>Sensors & Diagnostics</i> , 2022, 1, 235-244.	1.9	17
15	Effectiveness of a novel polyaniline@Fe-ZSM-5 hybrid composite for Orange G dye removal from aqueous media: Experimental study and advanced statistical physics insights. <i>Chemosphere</i> , 2022, 295, 133786.	4.2	39
16	Impact of colistin and colistin-loaded on alginate nanoparticles on pigs infected with a colistin-resistant enterotoxigenic <i>Escherichia coli</i> strain. <i>Veterinary Microbiology</i> , 2022, 266, 109359.	0.8	3
17	Highly performing graphene-based field effect transistor for the differentiation between mild-moderate-severe myocardial injury. <i>Nano Today</i> , 2022, 43, 101391.	6.2	24
18	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.	5.0	33

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19	Synthesis and characterization of a novel multi-functionalized reduced graphene oxide as a pH-sensitive drug delivery material and a photothermal candidate. <i>Applied Surface Science</i> , 2022, 583, 152568.	3.1	14
20	Phytic acid-doped poly-N-phenylglycine potato peels for removal of anionic dyes: investigation of adsorption parameters. <i>New Journal of Chemistry</i> , 2022, 46, 5111-5120.	1.4	3
21	Surface modification of carbon dots with tetraalkylammonium moieties for fine tuning their antibacterial activity. <i>Materials Science and Engineering C</i> , 2022, 134, 112697.	3.8	10
22	Electrocatalytic hydrogen generation using tripod containing pyrazolylborate-based copper(II), nickel(II), and iron(III) complexes loaded on a glassy carbon electrode. <i>RSC Advances</i> , 2022, 12, 8030-8042.	1.7	3
23	Effective PDT/PTT dual-modal phototherapeutic killing of bacteria by using poly(N-phenylglycine) nanoparticles. <i>Mikrochimica Acta</i> , 2022, 189, 150.	2.5	3
24	Adsorption-reduction of Cr(VI) onto unmodified and phytic acid-modified carob waste: Kinetic and isotherm modeling. <i>Chemosphere</i> , 2022, 297, 134188.	4.2	14
25	Catch and release strategy of matrix metalloprotease aptamers via thiol-disulfide exchange reaction on a graphene based electrochemical sensor. <i>Sensors & Diagnostics</i> , 2022, 1, 739-749.	1.9	4
26	Cathodic Activation of Titania-Fly Ash Cenospheres for Efficient Electrochemical Hydrogen Production: A Proposed Solution to Treat Fly Ash Waste. <i>Catalysts</i> , 2022, 12, 466.	1.6	2
27	Preparation of nanowires on free-standing boron-doped diamond films for high performance micro-capacitors. <i>Electrochimica Acta</i> , 2022, 421, 140500.	2.6	3
28	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, .	0.7	6
29	Electrochemical H ₂ Production using Polypyrazole based Zinc(II) Complex in Alkaline Medium. <i>Asian Journal of Chemistry</i> , 2022, 34, 1366-1372.	0.1	0
30	Enhancing Colistin Activity against Colistin-Resistant Escherichia coli through Combination with Alginate Nanoparticles and Small Molecules. <i>Pharmaceuticals</i> , 2022, 15, 682.	1.7	2
31	Influence of graphene oxide on the toxicity of polystyrene nanoplastics to the marine microalgae <i>Picochlorum</i> sp.. <i>Environmental Science and Pollution Research</i> , 2022, 29, 75870-75882.	2.7	2
32	Enhanced Antibacterial Activity of Dermaseptin through Its Immobilization on Alginate Nanoparticles—Effects of Menthol and Lactic Acid on Its Potentialization. <i>Antibiotics</i> , 2022, 11, 787.	1.5	2
33	TRPM8 as an Anti-Tumoral Target in Prostate Cancer Growth and Metastasis Dissemination. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6672.	1.8	9
34	Magnetic MnFe ₂ O ₄ Core-shell nanoparticles coated with antibiotics for the ablation of pathogens. <i>Chemical Papers</i> , 2021, 75, 377-387.	1.0	10
35	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.	5.0	35
36	Facile synthesis and characterization of a novel 1,2,4,5-benzene tetracarboxylic acid doped polyaniline@zinc phosphate nanocomposite for highly efficient removal of hazardous hexavalent chromium ions from water. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 560-573.	5.0	87

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37	The impact of chemical engineering and technological advances on managing diabetes: present and future concepts. <i>Chemical Society Reviews</i> , 2021, 50, 2102-2146.	18.7	28
38	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.	4.2	47
39	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.	1.9	62
40	SERS characterization of aggregated and isolated bacteria deposited on silver-based substrates. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1417-1428.	1.9	18
41	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.	2.5	39
42	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.	4.1	14
43	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.	2.6	8
44	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.	1.0	8
45	<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.	2.5	34
46	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.	2.6	8
47	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.	2.3	16
48	Colorimetric detection of chromium (VI) ion using poly(N-phenylglycine) nanoparticles acting as a peroxidase mimetic catalyst. <i>Talanta</i> , 2021, 226, 122082.	2.9	32
49	Morphological influence of BiVO ₄ nanostructures on peroxydisulfate activation for highly efficient catalytic degradation of rhodamine B. <i>Environmental Science and Pollution Research</i> , 2021, 28, 52236-52246.	2.7	12
50	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.	5.0	13
51	Efficacious Alkaline Copper Corrosion Inhibition by a Mixed Ligand Copper(II) Complex of 2,2'-Bipyridine and Glycine: Electrochemical and Theoretical Studies. <i>ChemElectroChem</i> , 2021, 8, 2052-2064.	1.7	7
52	Carbon-nitrogen bond formation using modified graphene oxide derivatives decorated with copper complexes and nanoparticles. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6327.	1.7	5
53	Natural antibodies: Protecting role of IgM in glioblastoma and brain tumours. <i>Current Pharmaceutical Design</i> , 2021, 27, 4515-4529.	0.9	0
54	Rapid Generation of Coronaviral Immunity Using Recombinant Peptide Modified Nanodiamonds. <i>Pathogens</i> , 2021, 10, 861.	1.2	10

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55	Au-assisted Polymerization of Conductive Poly(N-phenylglycine) as High-performance Positive Electrodes for Asymmetric Supercapacitors. <i>Nanotechnology</i> , 2021, 33, .	1.3	1
56	Flower-like Nitrogen-doped MoS ₂ @RGO Composites with Excellent Stability for Supercapacitors. <i>ChemElectroChem</i> , 2021, 8, 2903-2911.	1.7	12
57	Graphene-Induced Hyperthermia (GIHT) Combined With Radiotherapy Fosters Immunogenic Cell Death. <i>Frontiers in Oncology</i> , 2021, 11, 664615.	1.3	13
58	Enhanced Antibacterial Activity of CuS-BSA/Lysozyme under Near Infrared Light Irradiation. <i>Nanomaterials</i> , 2021, 11, 2156.	1.9	11
59	Enhanced visible light-triggered antibacterial activity of carbon quantum dots/polyurethane nanocomposites by gamma rays induced pre-treatment. <i>Radiation Physics and Chemistry</i> , 2021, 185, 109499.	1.4	15
60	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.	2.6	11
61	Development of a novel PANI@WO ₃ hybrid composite and its application as a promising adsorbent for Cr(VI) ions removal. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105885.	3.3	55
62	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.	3.3	20
63	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.	3.9	80
64	A mask-based diagnostic platform for point-of-care screening of Covid-19. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113486.	5.3	29
65	Silicon nanowire-hydrogenated TiO ₂ core-shell arrays for stable electrochemical micro-capacitors. <i>Electrochimica Acta</i> , 2021, 396, 139198.	2.6	6
66	Self-combustion synthesis of dilithium cobalt bis(tungstate) decorated with silver nanoparticles for high performance hybrid supercapacitors. <i>Chemical Engineering Journal</i> , 2021, 426, 131252.	6.6	16
67	Ultra-sensitive and fast optical detection of the spike protein of the SARS-CoV-2 using AgNPs/SiNWs nanohybrid based sensors. <i>Surfaces and Interfaces</i> , 2021, 27, 101454.	1.5	27
68	Alginate Nanoparticles Enhance Anti-Clostridium perfringens Activity of the Leaderless Two-Peptide Enterocin DD14 and Affect Expression of Some Virulence Factors. <i>Probiotics and Antimicrobial Proteins</i> , 2021, 13, 1213-1227.	1.9	10
69	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.	4.1	24
70	Diaryl Sulfide Derivatives as Potential Iron Corrosion Inhibitors: A Computational Study. <i>Molecules</i> , 2021, 26, 6312.	1.7	3
71	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.	3.9	42
72	Preparation of magnetic, superhydrophobic/superoleophilic polyurethane sponge: Separation of oil/water mixture and demulsification. <i>Chemical Engineering Journal</i> , 2020, 384, 123339.	6.6	144

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73	High performance of 3D silicon nanowires array@CrN for electrochemical capacitors. <i>Nanotechnology</i> , 2020, 31, 035407.	1.3	8
74	Electrothermal patches driving the transdermal delivery of insulin. <i>Nanoscale Horizons</i> , 2020, 5, 663-670.	4.1	30
75	Highly efficient conversion of the nitroarenes to amines at the interface of a ternary hybrid containing silver nanoparticles doped reduced graphene oxide/ graphitic carbon nitride under visible light. <i>Journal of Hazardous Materials</i> , 2020, 387, 121700.	6.5	36
76	Functionalized MoS ₂ /polyurethane sponge: An efficient scavenger for oil in water. <i>Separation and Purification Technology</i> , 2020, 238, 116420.	3.9	37
77	Mussel-Inspired Superhydrophobic Surfaces on 316L Stainless Steel with Enhanced Corrosion Resistance. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 909-919.	1.1	9
78	MnO _x thin film based electrodes: Role of surface point defects and structure towards extreme enhancement in specific capacitance. <i>Materials Chemistry and Physics</i> , 2020, 242, 122487.	2.0	10
79	Design and preparation of core-shell structured magnetic graphene oxide@MIL-101(Fe): Photocatalysis under shell to remove diazinon and atrazine pesticides. <i>Solar Energy</i> , 2020, 208, 990-1000.	2.9	41
80	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.	2.3	8
81	Cu ₂ O/reduced graphene oxide/TiO ₂ nanomaterial: An effective photocatalyst for azide-alkyne cycloaddition with benzyl halides or epoxide derivatives under visible light irradiation. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5928.	1.7	19
82	Preparation of boron-doped diamond nanospikes on porous Ti substrate for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2020, 354, 136649.	2.6	14
83	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.	3.9	93
84	Synthesis and characterization of arginine-doped polyaniline/walnut shell hybrid composite with superior clean-up ability for chromium (VI) from aqueous media: Equilibrium, reusability and process optimization. <i>Journal of Molecular Liquids</i> , 2020, 316, 113832.	2.3	84
85	New Bacteriocins from <i>Lactocaseibacillus paracasei</i> CNCM I-5369 Adsorbed on Alginate Nanoparticles Are Very Active against <i>Escherichia coli</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 8654.	1.8	11
86	Plasmon-Driven Electrochemical Methanol Oxidation on Gold Nanohole Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50426-50432.	4.0	21
87	Cathodic activation of synthesized highly defective monoclinic hydroxyl-terminated ZrO ₂ nanoparticles for efficient electrochemical production of hydrogen in alkaline media. <i>International Journal of Energy Research</i> , 2020, 44, 10695-10709.	2.2	9
88	Cellulose Nanocrystals/Graphene Hybrids: A Promising New Class of Materials for Advanced Applications. <i>Nanomaterials</i> , 2020, 10, 1523.	1.9	109
89	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.	2.6	27
90	Formation of a Highly Stable and Nontoxic Protein Corona upon Interaction of Human H ₁ -1-Acid Glycoprotein (AGP) with Citrate-Stabilized Silver Nanoparticles. <i>Langmuir</i> , 2020, 36, 10321-10330.	1.6	18

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91	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.	4.0	22
92	Nanodiamonds for bioapplications, recent developments. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10878-10896.	2.9	33
93	Plasmon-enhanced electrocatalytic oxygen reduction in alkaline media on gold nanohole electrodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10395-10401.	5.2	12
94	Pt@ZnO/M (M = Fe, Co, Ni or Cu): A New Promising Hybrid-Doped Noble Metal/Semiconductor Photocatalysts. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 4627-4636.	1.9	7
95	Rapid and sensitive identification of uropathogenic <i>Escherichia coli</i> using a surface-enhanced-Raman-scattering-based biochip. <i>Talanta</i> , 2020, 219, 121174.	2.9	16
96	The antimicrobial peptide oranicin P16 isolated from <i>Trichosporon asahii</i> ICVY021, found in camel milk's, inhibits <i>Kocuria rhizophila</i> . <i>Food Bioscience</i> , 2020, 36, 100670.	2.0	6
97	NiMnCr layered double hydroxide-carbon spheres modified Ni foam: An efficient positive electrode for hybrid supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 396, 125370.	6.6	27
98	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.	4.2	77
99	Heterologous Biosynthesis of Five New Class II Bacteriocins From <i>Lactobacillus paracasei</i> CNCM I-5369 With Antagonistic Activity Against Pathogenic <i>Escherichia coli</i> Strains. <i>Frontiers in Microbiology</i> , 2020, 11, 1198.	1.5	21
100	Aluminum based metal-organic framework integrated with reduced graphene oxide for improved supercapacitive performance. <i>Electrochimica Acta</i> , 2020, 353, 136609.	2.6	21
101	Plasmon-induced photocatalytic transformations. , 2020, , 249-275.		0
102	Graphene Oxide Nanosheets for Localized Hyperthermia Physicochemical Characterization, Biocompatibility, and Induction of Tumor Cell Death. <i>Cells</i> , 2020, 9, 776.	1.8	16
103	Nanoscale materials for the treatment of water contaminated by bacteria and viruses. , 2020, , 261-305.		3
104	High performance of phytic acid-functionalized spherical poly-phenylglycine particles for removal of heavy metal ions. <i>Applied Surface Science</i> , 2020, 518, 146206.	3.1	28
105	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.	5.0	33
106	Magneto-Optical Nanostructures for Viral Sensing. <i>Nanomaterials</i> , 2020, 10, 1271.	1.9	13
107	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.	2.6	19
108	Copper-based metal-organic framework decorated by CuO hair-like nanostructures: Electrocatalyst for oxygen evolution reaction. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5871.	1.7	11

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109	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, 1540.	1.8	17
110	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.	2.6	34
111	Pd nanoparticles supported on reduced graphene oxide as an effective and reusable heterogeneous catalyst for the Mizoroki-Heck coupling reaction. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5524.	1.7	29
112	Long-term live-cell microscopy with labeled nanobodies delivered by laser-induced photoporation. <i>Nano Research</i> , 2020, 13, 485-495.	5.8	14
113	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.	5.2	10
114	Interaction of cellulose and nitrodopamine coated superparamagnetic iron oxide nanoparticles with alpha-lactalbumin. <i>RSC Advances</i> , 2020, 10, 9704-9716.	1.7	14
115	Flexible Energy Storage Device Based on Poly(<i>N</i> -phenylglycine), an Incentive-Energy Pseudocapacitive Conducting Polymer, and Electrochemically Exfoliated Graphite Sheets. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6433-6441.	3.2	20
116	Crystalline ZnO and ZnO / TiO ₂ nanoparticles derived from <i>tert</i> -butyl β -mercaptoethyl carbamatozinc(II) chelate: Electrocatalytic studies for H ₂ generation in alkaline electrolytes. <i>International Journal of Energy Research</i> , 2020, 44, 6725-6744.	2.2	11
117	Ultrasound Assisted the Synthesis of 1,3-Dioxolane Derivatives from the Reaction of Epoxides or 1,2-Diols with Various Ketones Using Graphene Oxide Catalyst. <i>Catalysis Letters</i> , 2020, 150, 2959-2969.	1.4	9
118	Purification for Carbon Nanotubes Synthesized by Flame Fragments Deposition via Hydrogen Peroxide and Acetone. <i>Materials</i> , 2020, 13, 2342.	1.3	21
119	Efficient and Regioselective Ring-opening of Epoxides with Carboxylic Acid Catalyzed by Graphite Oxide. <i>Letters in Organic Chemistry</i> , 2020, 17, 532-538.	0.2	2
120	Fast and facile preparation of nanostructured silicon surfaces for laser desorption/ionization mass spectrometry of small compounds. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 66-74.	0.7	8
121	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.	4.0	72
122	Robust superhydrophobic polyurethane sponge functionalized with perfluorinated graphene oxide for efficient immiscible oil/water mixture, stable emulsion separation and crude oil dehydration. <i>Science China Technological Sciences</i> , 2019, 62, 1585-1595.	2.0	28
123	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.	7.0	102
124	Chitosan/hydroxyapatite modified carbon/carbon composites: synthesis, characterization and <i>in vitro</i> biocompatibility evaluation. <i>RSC Advances</i> , 2019, 9, 23362-23372.	1.7	11
125	Toxicity Effect of Silver Nanoparticles on Photosynthetic Pigment Content, Growth, ROS Production and Ultrastructural Changes of Microalgae <i>Chlorella vulgaris</i> . <i>Nanomaterials</i> , 2019, 9, 914.	1.9	48
126	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.	1.9	10

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127	662 Bacterial infection and wound healing in an ex vivo human skin model. <i>Journal of Investigative Dermatology</i> , 2019, 139, S328.	0.3	1
128	Functional Carbon Quantum Dots as Medical Countermeasures to Human Coronavirus. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42964-42974.	4.0	231
129	Self-template synthesis of ZnS/Ni ₃ S ₂ as advanced electrode material for hybrid supercapacitors. <i>Electrochimica Acta</i> , 2019, 328, 135065.	2.6	32
130	High spatial resolution electrochemical biosensing using reflected light microscopy. <i>Scientific Reports</i> , 2019, 9, 15196.	1.6	10
131	Preparation of Low-Resistance and Residue-free ITO Films for Large-scale 3D Displays. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45903-45913.	4.0	9
132	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.	3.2	63
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