

Qiuping Wei

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139
papers

2,335
citations

26
h-index

41
g-index

143
ext. papers

3,064
ext. citations

5.8
avg, IF

5.19
L-index

#	Paper	IF	Citations
139	Thermal conductivity enhancement of phase change materials with 3D porous diamond foam for thermal energy storage. <i>Applied Energy</i> , 2019 , 233-234, 208-219	10.7	132
138	Metal-Level Thermally Conductive yet Soft Graphene Thermal Interface Materials. <i>ACS Nano</i> , 2019 , 13, 11561-11571	16.7	117
137	Electrochemical oxidation of biological pretreated and membrane separated landfill leachate concentrates on boron doped diamond anode. <i>Applied Surface Science</i> , 2016 , 377, 406-415	6.7	98
136	A Paper-Like Inorganic Thermal Interface Material Composed of Hierarchically Structured Graphene/Silicon Carbide Nanorods. <i>ACS Nano</i> , 2019 , 13, 1547-1554	16.7	93
135	Highly stable and regenerative graphene-diamond hybrid electrochemical biosensor for fouling target dopamine detection. <i>Biosensors and Bioelectronics</i> , 2018 , 111, 117-123	11.8	80
134	Synthesis of micro- or nano-crystalline diamond films on WC-Co substrates with various pretreatments by hot filament chemical vapor deposition. <i>Applied Surface Science</i> , 2010 , 256, 4357-4364	6.7	74
133	3D macroporous boron-doped diamond electrode with interconnected liquid flow channels: A high-efficiency electrochemical degradation of RB-19 dye wastewater under low current. <i>Applied Catalysis B: Environmental</i> , 2019 , 245, 420-427	21.8	70
132	Ultra-high-Aspect-Ratio Boron Nitride Nanosheets Leading to Superhigh In-Plane Thermal Conductivity of Foldable Heat Spreader. <i>ACS Nano</i> , 2021 , 15, 6489-6498	16.7	60
131	High-performance non-enzymatic glucose sensor based on nickel-microcrystalline graphite-boron doped diamond complex electrode. <i>Sensors and Actuators B: Chemical</i> , 2017 , 242, 825-834	8.5	56
130	Ultrasound enhanced electrochemical oxidation of Alizarin Red S on boron doped diamond(BDD) anode: Effect of degradation process parameters. <i>Chemosphere</i> , 2018 , 209, 685-695	8.4	55
129	Diamond growth on WC-Co substrates by hot filament chemical vapor deposition: Effect of filament-substrate separation. <i>Diamond and Related Materials</i> , 2011 , 20, 641-650	3.5	47
128	Hall effect biosensors with ultraclean graphene film for improved sensitivity of label-free DNA detection. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 85-91	11.8	46
127	Long-term stability of Au nanoparticle-anchored porous boron-doped diamond hybrid electrode for enhanced dopamine detection. <i>Electrochimica Acta</i> , 2018 , 271, 84-91	6.7	44
126	The effects of temperature on nanocrystalline diamond films deposited on WC-3wt.% Co substrate with WC gradient layer. <i>Applied Surface Science</i> , 2009 , 256, 1322-1328	6.7	40
125	Multiscale Structural Modulation of Anisotropic Graphene Framework for Polymer Composites Achieving Highly Efficient Thermal Energy Management. <i>Advanced Science</i> , 2021 , 8, 2003734	13.6	38
124	Carbon nanotube-Cu foam hybrid reinforcements in composite phase change materials with enhanced thermal conductivity. <i>Materials and Design</i> , 2019 , 172, 107709	8.1	35
123	TiN coated stainless steel bracket: Tribological, corrosion resistance, biocompatibility and mechanical performance. <i>Surface and Coatings Technology</i> , 2015 , 277, 227-233	4.4	35

122	Effects of thickness and cycle parameters on fretting wear behavior of CVD diamond coatings on steel substrates. <i>Surface and Coatings Technology</i> , 2010 , 205, 158-167	4.4	34
121	Capacitive and resistive response of humidity sensors based on graphene decorated by PMMA and silver nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018 , 267, 42-50	8.5	33
120	Construction of 3D interconnected diamond networks in Al-matrix composite for high-efficiency thermal management. <i>Chemical Engineering Journal</i> , 2020 , 380, 122551	14.7	33
119	Colloidal quantum dot-based surface acoustic wave sensors for NO ₂ -sensing behavior. <i>Sensors and Actuators B: Chemical</i> , 2019 , 287, 241-249	8.5	30
118	A novel modification to boron-doped diamond electrode for enhanced, selective detection of dopamine in human serum. <i>Carbon</i> , 2021 , 171, 16-28	10.4	30
117	Sensitivity enhancement of potassium ion (K ⁺) detection based on graphene field-effect transistors with surface plasma pretreatment. <i>Sensors and Actuators B: Chemical</i> , 2019 , 285, 333-340	8.5	29
116	Enhanced diamond nucleation on copper substrates by employing an electrostatic self-assembly seeding process with modified nanodiamond particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 412, 82-89	5.1	28
115	Continuous diamond-carbon nanotube foams as rapid heat conduction channels in composite phase change materials based on the stable hierarchical structure. <i>Composites Part B: Engineering</i> , 2020 , 200, 108293	10	28
114	Enhanced selectivity of boron doped diamond electrodes for the detection of dopamine and ascorbic acid by increasing the film thickness. <i>Applied Surface Science</i> , 2016 , 390, 882-889	6.7	28
113	Surface acoustic wave NO ₂ sensors utilizing colloidal SnS quantum dot thin films. <i>Surface and Coatings Technology</i> , 2019 , 362, 78-83	4.4	24
112	Hot corrosion of a novel NiO/NiFe ₂ O ₄ composite coating thermally converted from the electroplated NiBe alloy. <i>Corrosion Science</i> , 2011 , 53, 3712-3724	6.8	23
111	Lightweight thermal interface materials based on hierarchically structured graphene paper with superior through-plane thermal conductivity. <i>Chemical Engineering Journal</i> , 2021 , 419, 129609	14.7	22
110	Nitric oxide sensors using nanospiral ZnO thin film deposited by GLAD for application to exhaled human breath.. <i>RSC Advances</i> , 2020 , 10, 14877-14884	3.7	21
109	High-performance non-enzymatic glucose sensor based on Ni/Cu/boron-doped diamond electrode. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 841, 135-141	4.1	20
108	A new design of composites for thermal management: Aluminium reinforced with continuous CVD diamond coated W spiral wires. <i>Materials and Design</i> , 2016 , 101, 109-116	8.1	20
107	Persulfate enhanced electrochemical oxidation of highly toxic cyanide-containing organic wastewater using boron-doped diamond anode. <i>Chemosphere</i> , 2020 , 252, 126499	8.4	20
106	Macroporous diamond foam: A novel design of 3D interconnected heat conduction network for thermal management. <i>Materials and Design</i> , 2018 , 156, 32-41	8.1	19
105	Hierarchical NiMo alloy microtubes on nickel foam as an efficient electrocatalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 24712-24718	6.7	19

104	Fretting wear and electrochemical corrosion of well-adhered CVD diamond films deposited on steel substrates with a WC/Ti interlayer. <i>Diamond and Related Materials</i> , 2010 , 19, 1144-1152	3.5	18
103	Corrosion resistance improvement of Mg alloy AZ31 by combining bilayer amorphous DLC:H/SiNx film with N+ ions implantation. <i>Journal of Alloys and Compounds</i> , 2018 , 762, 171-183	5.7	18
102	The concentration gradient of boron along the growth direction in boron doped chemical vapor deposited diamond. <i>Materials Letters</i> , 2015 , 157, 34-37	3.3	17
101	Microstructure evolution of thermal spray WC/Ti interlayer during hot filament chemical vapor deposition of diamond thin films. <i>Journal of Alloys and Compounds</i> , 2015 , 639, 659-668	5.7	17
100	Improved hydrogen generation via a urea-assisted method over 3D hierarchical NiMo-based composite microrod arrays. <i>Journal of Alloys and Compounds</i> , 2020 , 844, 155382	5.7	17
99	The Dependence of Oxidation Parameters and Dyes[Molecular Structures on Microstructure of Boron-Doped Diamond in Electrochemical Oxidation Process of Dye Wastewater. <i>Journal of the Electrochemical Society</i> , 2018 , 165, H324-H332	3.9	17
98	Enhanced electron field emission properties of diamond/microcrystalline graphite composite films synthesized by thermal catalytic etching. <i>Applied Surface Science</i> , 2016 , 367, 473-479	6.7	17
97	Nano modified SLA process for titanium implants. <i>Materials Letters</i> , 2017 , 186, 38-41	3.3	17
96	Effects of sputtering pressure on nanostructure and nanomechanical properties of AlN films prepared by RF reactive sputtering. <i>Transactions of Nonferrous Metals Society of China</i> , 2014 , 24, 2845-2853	3.3	16
95	The diffusion behavior of carbon in sputtered tungsten film and sintered tungsten block and its effect on diamond nucleation and growth. <i>Diamond and Related Materials</i> , 2015 , 52, 49-58	3.5	16
94	Nickel-Encapsulated Carbon Nanotubes Modified Boron Doped Diamond Hybrid Electrode for Non-Enzymatic Glucose Sensing. <i>Journal of the Electrochemical Society</i> , 2018 , 165, B135-B142	3.9	15
93	A periodic magnetic field assisted chemical vapor deposition technique to fabricate diamond film with preferred orientation. <i>Surface and Coatings Technology</i> , 2016 , 292, 49-53	4.4	15
92	Tribological, anti-corrosive properties and biocompatibility of the micro- and nano-crystalline diamond coated Ti6Al4V. <i>Surface and Coatings Technology</i> , 2014 , 258, 1032-1038	4.4	15
91	Preparation, characterization and electrochemical properties of boron-doped diamond films on Nb substrates. <i>Transactions of Nonferrous Metals Society of China</i> , 2013 , 23, 1334-1341	3.3	15
90	Electrodeposition of Ni-Co-Fe ₂ O ₃ composite coatings. <i>Central South University</i> , 2010 , 17, 708-714		15
89	Roles of Al-doped ZnO (AZO) modification layer on improving electrochemical performance of LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ thin film cathode. <i>Ionics</i> , 2017 , 23, 2981-2992	2.7	14
88	Effect of sputtered Mo interlayers on Si (100) substrates for the deposition of diamond film by hot filament chemical vapor deposition. <i>Surface and Coatings Technology</i> , 2013 , 232, 456-463	4.4	14
87	Electro-activated persulfate oxidation of malachite green by boron-doped diamond (BDD) anode: effect of degradation process parameters. <i>Water Science and Technology</i> , 2020 , 81, 925-935	2.2	14

86	Non-Enzymatic Glucose Sensor Based on Hierarchical Au/Ni/Boron-Doped Diamond Heterostructure Electrode for Improving Performances. <i>Journal of the Electrochemical Society</i> , 2019 , 166, B373-B380	3.9	13
85	Nickel-induced transformation of diamond into graphite and carbon nanotubes and the electron field emission properties of resulting composite films. <i>Applied Surface Science</i> , 2018 , 428, 264-271	6.7	13
84	Highly Sensitive and Selective Potassium Ion Detection Based on Graphene Hall Effect Biosensors. <i>Materials</i> , 2018 , 11,	3.5	13
83	Single-Step Formation of Ni Nanoparticle-Modified Graphene-Diamond Hybrid Electrodes for Electrochemical Glucose Detection. <i>Sensors</i> , 2019 , 19,	3.8	13
82	Effect of film thickness on the temperature dependence of thermal conductivity for diamond/BeO composites. <i>Ceramics International</i> , 2015 , 41, 12052-12057	5.1	12
81	Improving the long-term stability of Ti6Al4V abutment screw by coating micro/nano-crystalline diamond films. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 63, 174-182	4.1	12
80	Effects of temperature and Mo2C layer on stress and structural properties in CVD diamond film grown on Mo foil. <i>Journal of Alloys and Compounds</i> , 2013 , 579, 638-645	5.7	12
79	A Co/CoO hybrid rooted on carbon cloth as an efficient electrocatalyst for the hydrogen evolution reaction in alkaline solution. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 1924-1932	5.8	12
78	The effect of periodic magnetic field on the fabrication and field emission properties of nanocrystalline diamond films. <i>Applied Surface Science</i> , 2015 , 353, 548-552	6.7	11
77	Ordered structures with functional units (OSFU) enabled highly robust diamond anode for electrochemical decomposing of organic pollutants. <i>Chemical Engineering Journal</i> , 2020 , 397, 125465	14.7	11
76	p-type Cu3BiS3 thin films for solar cell absorber layer via one stage thermal evaporation. <i>Applied Surface Science</i> , 2020 , 505, 144597	6.7	11
75	Effect of the B2H6/CH4/H2 ratios on the structure and electrochemical properties of boron-doped diamond electrode in the electrochemical oxidation process of azo dye. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 832, 247-253	4.1	11
74	Cell responses to titanium treated by a sandblast-free method for implant applications. <i>Materials Science and Engineering C</i> , 2017 , 78, 1187-1194	8.3	10
73	Study on degradation performance and stability of high temperature etching boron-doped diamond electrode. <i>Applied Surface Science</i> , 2020 , 514, 146091	6.7	10
72	Enhancement of nucleation of diamond films deposited on copper substrate by nickel modification layer. <i>Transactions of Nonferrous Metals Society of China</i> , 2013 , 23, 667-673	3.3	10
71	Sandblast-free double-etched titanium for dental implants application. <i>Materials Letters</i> , 2016 , 176, 74-77	3.3	10
70	Superior field emission performance of graphene/carbon nanofilament hybrids synthesized by electrochemical self-exfoliation. <i>Materials Letters</i> , 2017 , 205, 223-225	3.3	9
69	Modulated light-activated electrochemistry at silicon functionalized with metal-organic frameworks towards addressable DNA chips. <i>Biosensors and Bioelectronics</i> , 2019 , 146, 111750	11.8	9

68	A Niobium and Nitrogen Co-Doped DLC Film Electrode and Its Electrochemical Properties. <i>Journal of the Electrochemical Society</i> , 2017 , 164, H1091-H1098	3.9	9
67	Fabrication of boron-doped diamond films electrode for efficient electrocatalytic degradation of cresols. <i>Chemosphere</i> , 2020 , 246, 125786	8.4	9
66	Rational design of high-performance thermal interface materials based on gold-nanocap-modified vertically aligned graphene architecture. <i>Composites Communications</i> , 2021 , 24, 100621	6.7	9
65	Improvement in anti-corrosion property of hydrogenated diamond-like carbon film by modifying CrC interlayer. <i>Diamond and Related Materials</i> , 2017 , 72, 99-107	3.5	8
64	Field emission properties of the caterpillar-like structural carbon film grown by magnetic and electric fields coupling HFCVD. <i>Applied Surface Science</i> , 2017 , 423, 788-792	6.7	8
63	ENHANCED NUCLEATION AND SMOOTHNESS OF NANOCRYSTALLINE DIAMOND FILMS VIA W-C GRADIENT INTERLAYER. <i>International Journal of Modern Physics B</i> , 2009 , 23, 1676-1682	1.1	8
62	Electrochemical oxidation of Reactive Blue 19 on boron-doped diamond anode with different supporting electrolyte. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103997	6.8	8
61	First-principles investigation on solar radiation shielding performance of rutile VO ₂ filters for smart windows. <i>Applied Physics Letters</i> , 2016 , 109, 193906	3.4	8
60	Thickness effects of Ni on the modified boron doped diamond by thermal catalytic etching for non-enzymatic glucose sensing. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 832, 353-360	4.1	8
59	Antifouling nanoporous diamond membrane for enhanced detection of dopamine in human serum. <i>Journal of Materials Science</i> , 2021 , 56, 746-761	4.3	8
58	Effect of magnetic and electric coupling fields on micro- and nano- structure of carbon films in the CVD diamond process and their electron field emission property. <i>Materials Research Express</i> , 2018 , 5, 035009	1.7	7
57	Molecularly imprinted poly(methacrylic acid) based QCM biosensor for selective determination of L-tryptophan. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 611, 125859	5.1	7
56	High-sensitivity, selective determination of dopamine using bimetallic nanoparticles modified boron-doped diamond electrode with anodic polarization treatment. <i>Journal of Materials Science</i> , 2021 , 56, 4700-4715	4.3	7
55	Micro/nano hierarchical structured titanium treated by NH ₄ OH/H ₂ O ₂ for enhancing cell response. <i>PLoS ONE</i> , 2018 , 13, e0196366	3.7	7
54	Isothermal sulfur condensation into carbon nanotube/nitrogen-doped graphene composite for high performance lithium-sulfur batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 10071-10081	2.1	6
53	Adherent diamond film deposited on Cu substrate by carbon transport from nanodiamond buried under Pt interlayer. <i>Applied Surface Science</i> , 2013 , 265, 714-719	6.7	6
52	Surface Modification Using Polydopamine-Coated Liquid Metal Nanocapsules for Improving Performance of Graphene Paper-Based Thermal Interface Materials. <i>Nanomaterials</i> , 2021 , 11,	5.4	6
51	Layer-by-layer stacked graphene nanocoatings by Marangoni self-assembly for corrosion protection of stainless steel. <i>Chinese Chemical Letters</i> , 2021 , 32, 501-505	8.1	6

50	Manipulation of nanostructured carbon films as field emitters in an electric-and-magnetic-field-assisted chemical vapor deposition process. <i>Surface and Coatings Technology</i> , 2019 , 359, 459-467	4.4	5
49	The effect of heat treatment time on the carbon-coated nickel nanoparticles modified boron-doped diamond composite electrode for non-enzymatic glucose sensing. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 841, 148-157	4.1	5
48	Gaseous boronizing pretreatment for the deposition of nanocrystalline diamond films on cemented carbide substrates. <i>Materials Research Express</i> , 2019 , 6, 076404	1.7	5
47	Growth mechanism of icosahedral and other five-fold symmetric diamond crystals. <i>Transactions of Nonferrous Metals Society of China</i> , 2015 , 25, 1587-1598	3.3	5
46	Microstructure of boron doped diamond electrodes and studies on its basic electrochemical characteristics and applicability of dye degradation. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104348	6.8	5
45	Hydrophilic modification of carbon nanotube to prepare a novel porous copper network-carbon nanotube/erythritol composite phase change material. <i>Composite Interfaces</i> , 2021 , 28, 175-189	2.3	5
44	3D-printed highly ordered Ti networks-based boron-doped diamond: An unprecedented robust electrochemical oxidation anode for decomposition of refractory organics. <i>Chemical Engineering Journal</i> , 2021 , 426, 131479	14.7	5
43	A high performance surface acoustic wave visible light sensor using novel materials: BiS nanobelts.. <i>RSC Advances</i> , 2020 , 10, 8936-8940	3.7	4
42	Plasma-enhanced synthesis of carbon nanocone arrays by magnetic and electric fields coupling HFCVD. <i>Surface and Coatings Technology</i> , 2017 , 324, 413-418	4.4	4
41	CVD diamond film deposited on copper substrate enhanced by a thin platinum modification layer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012 , 209, 2217-2222	1.6	4
40	Chemical vapor deposited diamonds on Re substrate for the application of field emission. <i>Surface and Coatings Technology</i> , 2012 , 207, 1-4	4.4	4
39	Influence of methane on hot filament CVD diamond films deposited on high-speed steel substrates with WC-Co interlayer. <i>Central South University</i> , 2011 , 18, 1819-1824		4
38	Controllable synthesized diamond/CNWs film as a novel nanocarbon electrode with wide potential window and enhanced S/B ratio for electrochemical sensing. <i>Applied Surface Science</i> , 2021 , 551, 149418	6.7	4
37	Intertwined Carbon Nanotubes and Ag Nanowires Constructed by Simple Solution Blending as Sensitive and Stable Chloramphenicol Sensors. <i>Sensors</i> , 2021 , 21,	3.8	4
36	Relationship between substrate type and BDD electrode structure, performance and antibiotic tetracycline mineralization. <i>Journal of Alloys and Compounds</i> , 2022 , 890, 161760	5.7	4
35	Amorphous In ₂ Ga ₂ ZnO ₇ films with adjustable structural, electrical and optical properties deposited by magnetron sputtering. <i>Optical Materials Express</i> , 2015 , 5, 1628	2.6	3
34	Growth of diamond coatings on functionally graded cemented carbides. <i>International Journal of Refractory Metals and Hard Materials</i> , 2015 , 49, 307-313	4.1	3
33	Electrochemical oxidation of reactive brilliant orange X-GN dye on boron-doped diamond anode. <i>Journal of Central South University</i> , 2018 , 25, 1825-1835	2.1	3

32	Effects of copper interlayer on deposition and flexibility improvement of diamond microelectrode. <i>Surface and Coatings Technology</i> , 2014 , 258, 797-803	4.4	3
31	Preparation and characterization of ultrananocrystalline diamond films in H ₂ /Ar/CH ₄ gas mixtures system with novel filament structure. <i>Journal of Central South University</i> , 2015 , 22, 4097-4104	2.1	3
30	Microscopic mechanical characteristics analysis of ultranano-crystalline diamond films. <i>Transactions of Nonferrous Metals Society of China</i> , 2015 , 25, 3291-3296	3.3	3
29	A Double-Deck Structure of Reduced Graphene Oxide Modified Porous TiCT Electrode towards Ultrasensitive and Simultaneous Detection of Dopamine and Uric Acid. <i>Biosensors</i> , 2021 , 11,	5.9	3
28	Preparation of cemented carbide diamond films by gaseous boronizing pretreatment combines with self-assembly seeding process. <i>International Journal of Refractory Metals and Hard Materials</i> , 2020 , 87, 105173	4.1	3
27	A highly stable microporous boron-doped diamond electrode etched by oxygen plasma for enhanced electrochemical ozone generation. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106369	6.8	3
26	Preparation of macro-porous 3D boron-doped diamond electrode with surface micro structure regulation to enhance electrochemical degradation performance. <i>Chemical Engineering Journal</i> , 2022 , 429, 132366	14.7	3
25	Coexistent structures and film growth in vanadium oxides films. <i>Materials Letters</i> , 2014 , 130, 172-175	3.3	2
24	Nanocrystalline diamond matrix deposited on copper substrate by radical species restricted diffusion. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 6910-6	1.3	2
23	Fabrication of high density, adherent films of five-fold symmetric diamond crystals by hot filament chemical vapour deposition. <i>Journal of Crystal Growth</i> , 2011 , 336, 72-76	1.6	2
22	Fabrication of adherent porous diamond films on sintered WC-13 wt.%Co substrates by bias enhanced hot filament chemical vapour deposition. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011 , 208, 2033-2037	1.6	2
21	Nanoscale Modification of Titanium Implants Improves Behaviors of Bone Mesenchymal Stem Cells and Osteogenesis .. <i>Oxidative Medicine and Cellular Longevity</i> , 2022 , 2022, 2235335	6.7	2
20	Correlation of the role of boron concentration on the microstructure and electrochemical properties of diamond electrodes. <i>Functional Diamond</i> , 2021 , 1, 197-204		2
19	A novel gradient current density output mode for effective electrochemical oxidative degradation of dye wastewater by boron-doped diamond (BDD) anode. <i>Water Science and Technology</i> , 2020 , 82, 2085-2097	2.2	2
18	Annealing temperature regulating the dispersity and composition of nickel-carbon nanoparticles for enhanced glucose sensing. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 859, 113827	4.1	2
17	Novel three-dimensional Mo ₂ C/carbon nanotubes composites for hydrogen evolution reaction. <i>Materials Letters</i> , 2020 , 277, 128386	3.3	2
16	The Effects of Combined Micron-Scale Surface and Different Nanoscale Features on Cell Response. <i>Advances in Materials Science and Engineering</i> , 2018 , 2018, 1-9	1.5	2
15	Enhancing hydrogen evolution through urea electrolysis over Co-doped Ni-P-O film on nickel foam. <i>Journal of Alloys and Compounds</i> , 2022 , 165362	5.7	2

14	Fabrication and biological evaluation of titanium surfaces with multistage storage space for potential biomedical application. <i>Materials Research Express</i> , 2019 , 6, 075406	1.7	1
13	Hydrogenated diamond-like carbon film prepared by RF bias assisting magnetron sputtering. <i>Materials Research Express</i> , 2019 , 6, 076403	1.7	1
12	Effect of bottom micro-crystalline diamond (MCD) layer and top nano-crystalline diamond (NCD) layer onto the tribological behavior of (MCD/NCD) bilayer film. <i>Materials Research Express</i> , 2020 , 7, 026417	1.7	1
11	Modification of polycrystalline nanodiamonds by using periodic magnetic field enhanced hydrogen plasma and the application on nanogrinding of thin film magnetic head. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 416, 9-15	5.1	1
10	Template-free synthesis of millimeter-scale carbon nanorod arrays on boron-doped diamond with superior glucose sensing performance. <i>Applied Surface Science</i> , 2022 , 572, 151468	6.7	1
9	Facile preparation of nickel hydroxide nanoplates on nickel foam for high performance hydrogen generation. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 5031-5035	5.8	1
8	Significant enhancement of corrosion resistance of stainless steel with nanostructured carbon coatings by substrate-catalytic CVD. <i>Applied Nanoscience (Switzerland)</i> , 2021 , 11, 725-733	3.3	1
7	Application of multi-scale pore regulation for high thermal conductivity foam reinforcements in energy storage. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022 , 157, 106938	8.4	1
6	Porous boron-doped diamond for efficient electrocatalytic elimination of azo dye Orange G. <i>Separation and Purification Technology</i> , 2022 , 293, 121100	8.3	1
5	Engineering an Au-NPs/Nafion modified nanoporous diamond sensing interface for reliable voltammetric quantification of dopamine in human serum. <i>Chemical Engineering Journal</i> , 2022 , 136927	14.7	1
4	Effect of Pt-Ni deposition sequence on the bimetal-modified boron-doped diamond on catalytic performance for glucose oxidation in neutral media. <i>Journal of Electroanalytical Chemistry</i> , 2022 , 907, 116084	4.1	0
3	Coupling Effects of CH ₄ /H ₂ /Ar Gas Ratios and Hot Filament-Substrate Distance on the Growth of Nanocrystalline Diamond. <i>Journal of Superhard Materials</i> , 2020 , 42, 157-164	0.9	0
2	Effects of process parameters on the degradation of high salinity industrial wastewater. <i>Water Quality Research Journal of Canada</i> , 2021 , 56, 31-44	1.7	0
1	High thermal stability, electrical and optical properties of amorphous IGZO film by coating ultrathin amorphous ITO film as barrier layer. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 3997-4003	2.1	0