

Synthesis of "Clean" and Well-Dispersive Pd Nanoparticles with Excellent Catalytic Property on Graphene Oxide

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Ultrafast Microwave-Assisted Route to Surfactant-Free Ultrafine Pt Nanoparticles on Graphene: Synergistic Co-reduction Mechanism and High Catalytic Activity. <i>Chemistry of Materials</i> , 2011, 23, 2772-2780.	6.7	257
3	Graphene nanosheets-polypyrrole hybrid material as a highly active catalyst support for formic acid electro-oxidation. <i>Nanoscale</i> , 2011, 3, 3277.	5.6	96
4	Inorganic nanostructures grown on graphene layers. <i>Nanoscale</i> , 2011, 3, 3522.	5.6	78
5	Highly dispersive Ag nanoparticles on functionalized graphene for an excellent electrochemical sensor of nitroaromatic compounds. <i>Chemical Communications</i> , 2011, 47, 12494.	4.1	81
6	Graphene supported Au-Pd bimetallic nanoparticles with core-shell structures and superior peroxidase-like activities. <i>Journal of Materials Chemistry</i> , 2011, 21, 17658.	6.7	162
7	Fabrication of gold nanoparticle/graphene oxide nanocomposites and their excellent catalytic performance. <i>Journal of Materials Chemistry</i> , 2011, 21, 11080.	6.7	152
8	Graphene and graphene-based nanomaterials: the promising materials for bright future of electroanalytical chemistry. <i>Analyst</i> , 2011, 136, 4631.	3.5	140
9	Facile, surfactant-free synthesis of Pd nanoparticles for heterogeneous catalysts. <i>Journal of Catalysis</i> , 2011, 280, 145-149.	6.2	61
10	Magneto-controlled electrochemical immunosensor for direct detection of squamous cell carcinoma antigen by using serum as supporting electrolyte. <i>Biosensors and Bioelectronics</i> , 2011, 27, 153-159.	10.1	53
11	Metal Nitride/Graphene Nanohybrids: General Synthesis and Multifunctional Titanium Nitride/Graphene Electrocatalyst. <i>Advanced Materials</i> , 2011, 23, 5445-5450.	21.0	171
12	A New Electrochemical Biosensor for Determination of Hydrogen Peroxide in Food Based on Well-Dispersive Gold Nanoparticles on Graphene Oxide. <i>Electroanalysis</i> , 2011, 23, 1821-1829.	2.9	52
13	Novel blue light emitting graphene oxide nanosheets fabricated by surface functionalization. <i>Journal of Materials Chemistry</i> , 2012, 22, 2929-2934.	6.7	94
14	Preparation of polymer decorated graphene oxide by γ -ray induced graft polymerization. <i>Nanoscale</i> , 2012, 4, 1742.	5.6	89
15	The direct formation of noble metal (Pd, Pt, Au, and Ag) and graphene nanocomposites from graphite. , 2012, , .		0
16	Tunable Catalytic Performance and Selectivity of a Nanoparticle-Graphene Composite through Finely Controlled Nanoparticle Loading. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2931-2936.	3.3	19
17	Complementary microscopy techniques applied for optimizing the structure and performance of graphene-based hybrids. <i>Ultramicroscopy</i> , 2012, 119, 97-101.	1.9	9
18	A facile preparation of palladium nanoparticles supported on magnetite/s-graphene and their catalytic application in Suzuki-Miyaura reaction. <i>Catalysis Science and Technology</i> , 2012, 2, 2332.	4.1	99
19	Low-temperature plasma-assisted preparation of graphene supported palladium nanoparticles with high hydrodesulfurization activity. <i>Journal of Materials Chemistry</i> , 2012, 22, 14363.	6.7	61

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20	Synthesis of surfactant-free Pt concave nanoparticles in a freshly-made or recycled molten salt. <i>Green Chemistry</i> , 2012, 14, 3197.	9.0	10
21	Rapid and shape-controlled synthesis of "clean" star-like and concave Pd nanocrystallites and their high performance toward methanol oxidation. <i>Journal of Materials Chemistry</i> , 2012, 22, 14861.	6.7	38
22	Chemical-free growth of metal nanoparticles on graphene oxide sheets under visible light irradiation. <i>RSC Advances</i> , 2012, 2, 2205.	3.6	31
23	Unique reactivity of Fe nanoparticles-defective graphene composites toward NH _x (x = 0, 1, 2, 3) adsorption: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 15036.	2.8	30
24	Isolation of Template Effects That Control the Structure and Function of Nonspherical, Biotemplated Pd Nanomaterials. <i>Langmuir</i> , 2012, 28, 8110-8119.	3.5	21
25	Electrochemical immunosensor for carcinoembryonic antigen based on nanosilver-coated magnetic beads and gold-graphene nanolabels. <i>Talanta</i> , 2012, 91, 95-102.	5.5	79
26	Pd/C Synthesized with Citric Acid: An Efficient Catalyst for Hydrogen Generation from Formic Acid/Sodium Formate. <i>Scientific Reports</i> , 2012, 2, 598.	3.3	173
27	Graphene-based materials for catalysis. <i>Catalysis Science and Technology</i> , 2012, 2, 54-75.	4.1	882
28	A composite material of uniformly dispersed sulfur on reduced graphene oxide: Aqueous one-pot synthesis, characterization and excellent performance as the cathode in rechargeable lithium-sulfur batteries. <i>Nano Research</i> , 2012, 5, 726-738.	10.4	116
29	Nanogold-functionalized magnetic beads with redox activity for sensitive electrochemical immunoassay of thyroid-stimulating hormone. <i>Analytica Chimica Acta</i> , 2012, 711, 17-23.	5.4	40
30	An electrochemical ascorbic acid sensor based on palladium nanoparticles supported on graphene oxide. <i>Analytica Chimica Acta</i> , 2012, 745, 33-37.	5.4	131
31	Nano-cubic structured titanium nitride particle films as cathodes for the effective electrocatalytic debromination of BDE-47. <i>Journal of Hazardous Materials</i> , 2012, 231-232, 105-113.	12.4	37
32	One-pot photochemical synthesis of ultrathin Au nanocrystals on co-reduced graphene oxide and its application. <i>Journal of Colloid and Interface Science</i> , 2012, 383, 140-147.	9.4	26
33	SnO ₂ nanospheres supported Pd catalyst with enhanced performance for formic acid oxidation. <i>Journal of Power Sources</i> , 2012, 215, 48-52.	7.8	38
34	In situ synthesis of highly loaded and ultrafine Pd nanoparticles-decorated graphene oxide for glucose biosensor application. <i>Journal of Materials Chemistry</i> , 2012, 22, 24821.	6.7	43
35	Synthesis and Electrocatalytic Properties of Palladium Network Nanostructures. <i>ChemPlusChem</i> , 2012, 77, 936-940.	2.8	27
36	Well-dispersed palladium nanoparticles on graphene oxide as a non-enzymatic glucose sensor. <i>RSC Advances</i> , 2012, 2, 6245.	3.6	138
37	Novel Functionalized Nano-TiO ₂ Loading Electrocatalytic Membrane for Oily Wastewater Treatment. <i>Environmental Science & Technology</i> , 2012, 46, 6815-6821.	10.0	194

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38	Natural DNA-Modified Graphene/Pd Nanoparticles as Highly Active Catalyst for Formic Acid Electro-Oxidation and for the Suzuki Reaction. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5001-5009.	8.0	128
39	Synthetic core-shell Ni@Pd nanoparticles supported on graphene and used as an advanced nanoelectrocatalyst for methanol oxidation. <i>New Journal of Chemistry</i> , 2012, 36, 2533.	2.8	74
40	Palladium Nanoparticles/Defective Graphene Composites as Oxygen Reduction Electrocatalysts: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2710-2719.	3.1	94
41	Pd nanoparticles supported on low-defect graphene sheets: for use as high-performance electrocatalysts for formic acid and methanol oxidation. <i>Journal of Materials Chemistry</i> , 2012, 22, 22533.	6.7	165
42	Efficient and clean synthesis of graphene supported platinum nanoclusters and its application in direct methanol fuel cell. <i>Electrochimica Acta</i> , 2012, 85, 84-89.	5.2	58
43	Green and controllable strategy to fabricate well-dispersed graphene-gold nanocomposite film as sensing materials for the detection of hydroquinone and resorcinol with electrodeposition. <i>Electrochimica Acta</i> , 2012, 85, 42-48.	5.2	23
44	Electrodeposition of graphene-supported PdPt nanoparticles with enhanced electrocatalytic activity. <i>Electrochemistry Communications</i> , 2012, 24, 17-20.	4.7	41
45	A mussel-inspired polydopamine coating as a versatile platform for the in situ synthesis of graphene-based nanocomposites. <i>Nanoscale</i> , 2012, 4, 5864.	5.6	276
46	FePt Nanoparticles Assembled on Graphene as Enhanced Catalyst for Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2012, 134, 2492-2495.	13.7	626
47	Biosensor based on Prussian blue nanocubes/reduced graphene oxide nanocomposite for detection of organophosphorus pesticides. <i>Nanoscale</i> , 2012, 4, 4674.	5.6	118
48	A green chemical approach for preparation of PtxCu _y nanoparticles with a concave surface in molten salt for methanol and formic acid oxidation reactions. <i>Journal of Materials Chemistry</i> , 2012, 22, 4780.	6.7	58
49	Surfactant free RGO/Pd nanocomposites as highly active heterogeneous catalysts for the hydrolytic dehydrogenation of ammonia borane for chemical hydrogen storage. <i>Nanoscale</i> , 2012, 4, 5597.	5.6	202
50	Highly efficient electrocatalytic performance based on Pt nanoflowers modified reduced graphene oxide/carbon cloth electrode. <i>Journal of Materials Chemistry</i> , 2012, 22, 13707.	6.7	126
51	Facile Synthesis of Surfactant-Free Au Cluster/Graphene Hybrids for High-Performance Oxygen Reduction Reaction. <i>ACS Nano</i> , 2012, 6, 8288-8297.	14.6	578
52	Gold Nanoparticle-Embedded Porous Graphene Thin Films Fabricated via Layer-by-Layer Self-Assembly and Subsequent Thermal Annealing for Electrochemical Sensing. <i>Langmuir</i> , 2012, 28, 9885-9892.	3.5	119
53	Stimuli-responsive peroxidase mimicking at a smart graphene interface. <i>Chemical Communications</i> , 2012, 48, 7055.	4.1	76
54	Interface Engineering Catalytic Graphene for Smart Colorimetric Biosensing. <i>ACS Nano</i> , 2012, 6, 3142-3151.	14.6	270
55	Palladium nanocrystals enclosed by {100} and {111} facets in controlled proportions and their catalytic activities for formic acid oxidation. <i>Energy and Environmental Science</i> , 2012, 5, 6352-6357.	30.8	358

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56	Platinum nanoflowers supported on graphene oxide nanosheets: their green synthesis, growth mechanism, and advanced electrocatalytic properties for methanol oxidation. <i>Journal of Materials Chemistry</i> , 2012, 22, 11284.	6.7	75
57	Graphene oxide-mediated synthesis of stable metal nanoparticle colloids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 404, 78-82.	4.7	30
58	Grapheneâ€“inorganic nanocomposites. <i>RSC Advances</i> , 2012, 2, 64-98.	3.6	547
59	Graphene-Quantum-Dot Assembled Nanotubes: A New Platform for Efficient Raman Enhancement. <i>ACS Nano</i> , 2012, 6, 2237-2244.	14.6	166
60	Synthesis of a Hierarchical Threeâ€“Component Nanocomposite Structure System with Enhanced Electrocatalytic and Photoelectrical Properties. <i>Chemistry - A European Journal</i> , 2012, 18, 5248-5255.	3.3	6
61	In Situ Reduction, Oxygen Etching, and Reduction Using Formic Acid: An Effective Strategy for Controllable Growth of Monodisperse Palladium Nanoparticles on Graphene. <i>ChemPlusChem</i> , 2012, 77, 301-307.	2.8	18
62	Enhanced hydrogen generation by cocatalytic Ni and NiO nanoparticles loaded on graphene oxide sheets. <i>Journal of Materials Chemistry</i> , 2012, 22, 13849.	6.7	127
63	Pt/titania/reduced graphite oxide nanocomposite: An efficient catalyst for nitrobenzene hydrogenation. <i>Journal of Colloid and Interface Science</i> , 2012, 374, 83-88.	9.4	27
64	Preparation and electrochemistry of graphene nanosheetsâ€“multiwalled carbon nanotubes hybrid nanomaterials as Pd electrocatalyst support for formic acid oxidation. <i>Electrochimica Acta</i> , 2012, 62, 242-249.	5.2	76
65	Metal nanoparticles supported graphene oxide 3D porous monoliths and their excellent catalytic activity. <i>Materials Chemistry and Physics</i> , 2012, 134, 585-589.	4.0	39
66	â€œNakedâ€“Pd nanoparticles supported on carbon nanodots as efficient anode catalysts for methanol oxidation in alkaline fuel cells. <i>Journal of Power Sources</i> , 2012, 204, 85-88.	7.8	78
67	Support materials for PEMFC and DMFC electrocatalystsâ€“A review. <i>Journal of Power Sources</i> , 2012, 208, 96-119.	7.8	1,055
68	Design and synthesis of Pdâ€“MnO ₂ nanolamellaâ€“graphene composite as a high-performance multifunctional electrocatalyst towards formic acid and methanol oxidation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 10367.	2.8	72
69	Nano-PtPd Cubes on Graphene Exhibit Enhanced Activity and Durability in Methanol Electrooxidation after CO Strippingâ€“Cleaning. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2926-2938.	3.1	216
70	Synthesis of highly dispersed titanium dioxide nanoclusters on reduced graphene oxide for increased glucose sensing. <i>Carbon</i> , 2013, 57, 470-476.	10.3	43
71	Synthesis of flower-shape palladium nanostructures on graphene oxide for electrocatalytic applications. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 1470-1474.	4.0	21
72	Facile solution synthesis of Ag@Pt coreâ€“shell nanoparticles with dendritic Pt shells. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3490.	2.8	159
73	One-step nano-engineering of dispersed Agâ€“ZnO nanoparticles' hybrid in reduced graphene oxide matrix and its superior photocatalytic property. <i>CrystEngComm</i> , 2013, 15, 7606.	2.6	50

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74	Î²-Cyclodextrin polymer functionalized reduced-graphene oxide: Application for electrochemical determination imidacloprid. <i>Electrochimica Acta</i> , 2013, 108, 1-9.	5.2	116
75	Controllable growth of metals on graphene nanosheets. <i>RSC Advances</i> , 2013, 3, 14299.	3.6	4
76	Graphene-supported Au@Pd bimetallic nanoparticles with excellent catalytic performance in selective oxidation of methanol to methyl formate. <i>Chemical Communications</i> , 2013, 49, 8250.	4.1	120
77	Defective Graphene Supported MPd ₁₂ (M = Fe, Co, Ni, Cu, Zn, Pd) Nanoparticles as Potential Oxygen Reduction Electrocatalysts: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1350-1357.	3.1	88
78	One-pot, water-based and high-yield synthesis of tetrahedral palladium nanocrystal decorated graphene. <i>Nanoscale</i> , 2013, 5, 8007.	5.6	105
79	A facile one-step way to anchor noble metal (Au, Ag, Pd) nanoparticles on a reduced graphene oxide mat with catalytic activity for selective reduction of nitroaromatic compounds. <i>CrystEngComm</i> , 2013, 15, 6819.	2.6	168
80	Thermo-sensitive graphene supported gold nanocatalyst: synthesis, characterization and catalytic performance. <i>RSC Advances</i> , 2013, 3, 8973.	3.6	19
81	Shape-dependent electrocatalytic activity of monodispersed palladium nanocrystals toward formic acid oxidation. <i>Nanoscale</i> , 2013, 5, 8392.	5.6	87
82	Co ₃ O ₄ -reduced graphene oxide nanocomposite as an effective peroxidase mimetic and its application in visual biosensing of glucose. <i>Analytica Chimica Acta</i> , 2013, 796, 92-100.	5.4	181
83	Non-precious Ir@V bimetallic nanoclusters assembled on reduced graphene nanosheets as catalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11457.	10.3	48
84	Facile and controllable synthesis of polystyrene/palladium nanoparticle@polypyrrole nanocomposite particles. <i>Polymer Chemistry</i> , 2013, 4, 4655.	3.9	16
85	Palladium nanoparticles on electrochemically reduced chemically modified graphene oxide for non-enzymatic bimolecular sensing. <i>RSC Advances</i> , 2013, 3, 16109.	3.6	14
86	Electrochemical biosensors on platforms of graphene. <i>Chemical Communications</i> , 2013, 49, 9526.	4.1	152
87	Au@Pd core-shell nanoclusters growing on nitrogen-doped mildly reduced graphene oxide with enhanced catalytic performance for hydrogen generation from formic acid. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12721.	10.3	196
88	Synthesis of graphene-supported noble metal hybrid nanostructures and their applications as advanced electrocatalysts for fuel cells. <i>Nanoscale</i> , 2013, 5, 10765.	5.6	57
89	Understanding the adsorptive and photoactivity properties of Ag-graphene oxide nanocomposites. <i>Journal of Hazardous Materials</i> , 2013, 263, 52-60.	12.4	66
90	In situ synthesis of palladium nanoparticle on functionalized graphene sheets at improved performance for ethanol oxidation in alkaline media. <i>Electrochimica Acta</i> , 2013, 111, 855-861.	5.2	41
91	Platinum-catalyzed hydrogen evolution reaction for sensitive electrochemical immunoassay of tetracycline residues. <i>Journal of Electroanalytical Chemistry</i> , 2013, 704, 111-117.	3.8	38

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92	A sandwich N-doped graphene/Co ₃ O ₄ hybrid: an efficient catalyst for selective oxidation of olefins and alcohols. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9037.	10.3	196
93	Synthesis of Palladium Nanoparticles in Various Carbon Materials. <i>Materials Science Forum</i> , 0, 761, 147-150.	0.3	1
94	Palladium Nanoparticles on Graphite Oxide: A Recyclable Catalyst for the Synthesis of Biaryl Cores. <i>ACS Catalysis</i> , 2013, 3, 2776-2789.	11.2	91
95	Sn Powder as Reducing Agents and SnO ₂ Precursors for the Synthesis of SnO ₂ -Reduced Graphene Oxide Hybrid Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 13333-13339.	8.0	35
96	Hybridization of conductive few-layer graphene with well-dispersed Pd nanocrystals. <i>Applied Surface Science</i> , 2013, 275, 342-346.	6.1	10
97	Facile Preparation of Porous Carbon Nanosheets without Template and Their Excellent Electrocatalytic Property. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 11597-11602.	8.0	43
98	Electrochemical Post-Treatment of Infinite Coordination Polymers: An Effective Route to Preparation of Pd Nanoparticles Supported onto Carbon Nanotubes with Enhanced Electrocatalytic Activity toward Ethanol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 11471-11478.	8.0	33
99	Green synthesis of silver nanoclusters supported on carbon nanodots: enhanced photoluminescence and high catalytic activity for oxygen reduction reaction. <i>Nanoscale</i> , 2013, 5, 12558.	5.6	136
100	Electrocatalytical reduction of m-nitrophenol on reduced graphene oxide modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2013, 114, 693-699.	5.2	29
101	Facile-green synthesis of nitrogen-doped carbon-supported ultrafine silver catalyst with enhanced electrocatalytic property. <i>Electrochimica Acta</i> , 2013, 108, 66-73.	5.2	13
102	Facile synthesis of clean Pt nanoparticles supported on reduced graphene oxide composites: Their growth mechanism and tuning of their methanol electro-catalytic oxidation property. <i>Electrochimica Acta</i> , 2013, 111, 779-783.	5.2	28
104	Ag _{0.1} -Pd _{0.9} /rGO: an efficient catalyst for hydrogen generation from formic acid/sodium formate. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12188.	10.3	121
105	Graphene oxide supported N-heterocyclic carbene-palladium as a novel catalyst for the Suzuki-Miyaura reaction. <i>RSC Advances</i> , 2013, 3, 21863.	3.6	86
106	Reduced state carbon dots as both reductant and stabilizer for the synthesis of gold nanoparticles. <i>Carbon</i> , 2013, 64, 499-506.	10.3	97
107	Facile synthesis of palladium-graphene nanocomposites and their catalysis for electro-oxidation of methanol and ethanol. <i>Electrochimica Acta</i> , 2013, 109, 570-576.	5.2	75
108	Palladium nanoparticles deposit on multi-walled carbon nanotubes and their catalytic applications for electrooxidation of ethanol and glucose. <i>Electrochimica Acta</i> , 2013, 112, 756-762.	5.2	65
109	In situ preparation, characterization, magnetic and catalytic studies of surfactant free RGO/FexCo ₁₀₀ nanocomposites. <i>Dalton Transactions</i> , 2013, 42, 7936.	3.3	11
110	Palladium nanoparticles supported on a triptycene-based microporous polymer: highly active catalysts for CO oxidation. <i>Chemical Communications</i> , 2013, 49, 8928.	4.1	51

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111	Facile synthesis of ionic-liquid functionalized graphite oxide nanosheets for a highly efficient fuel cell. <i>RSC Advances</i> , 2013, 3, 3655.	3.6	6
112	Simple and direct synthesis of oxygenous carbon supported palladium nanoparticles with high catalytic activity. <i>Nanoscale</i> , 2013, 5, 1843.	5.6	90
113	Recent progress in graphene-based nanomaterials as advanced electrocatalysts towards oxygen reduction reaction. <i>Nanoscale</i> , 2013, 5, 1753.	5.6	338
114	A universal strategy for the hierarchical assembly of functional 0/2D nanohybrids. <i>Chemical Communications</i> , 2013, 49, 1642.	4.1	34
115	Synthesis of noble metal/graphene nanocomposites without surfactants by one-step reduction of metal salt and graphene oxide. <i>Journal of Colloid and Interface Science</i> , 2013, 389, 85-90.	9.4	52
116	Synthesis and assembly of Pd nanoparticles on graphene for enhanced electrooxidation of formic acid. <i>Nanoscale</i> , 2013, 5, 160-163.	5.6	99
117	Systematic analysis of palladium-graphene nanocomposites and their catalytic applications in Sonogashira reaction. <i>Journal of Colloid and Interface Science</i> , 2013, 403, 127-133.	9.4	50
118	Oxidation of Pd _n (n=1-5) clusters on single vacancy graphene: A first-principles study. <i>Computational and Theoretical Chemistry</i> , 2013, 1020, 91-99.	2.5	29
119	Facet-dependent electrocatalytic activities of Pd nanocrystals toward the electro-oxidation of hydrazine. <i>Electrochemistry Communications</i> , 2013, 37, 57-60.	4.7	26
120	Strongly coupled inorganic-nano-carbon hybrid materials for energy storage. <i>Chemical Society Reviews</i> , 2013, 42, 3088.	38.1	795
121	Graphene oxide supported Au-Ag alloy nanoparticles with different shapes and their high catalytic activities. <i>Nanotechnology</i> , 2013, 24, 125301.	2.6	43
122	Enhanced catalytic performance by copper nanoparticle-graphene based composite. <i>RSC Advances</i> , 2013, 3, 5615.	3.6	150
123	Well-dispersed ultrafine Mn ₃ O ₄ nanoparticles on graphene as a promising catalyst for the thermal decomposition of ammonium perchlorate. <i>Carbon</i> , 2013, 54, 124-132.	10.3	162
124	Graphene oxide/nickel oxide modified glassy carbon electrode for supercapacitor and nonenzymatic glucose sensor. <i>Electrochimica Acta</i> , 2013, 88, 708-712.	5.2	199
125	Ultrafine palladium nanoparticles grown on graphene nanosheets for enhanced electrochemical sensing of hydrogen peroxide. <i>Electrochimica Acta</i> , 2013, 97, 398-403.	5.2	104
126	Facile and straightforward synthesis of superparamagnetic reduced graphene oxide-Fe ₃ O ₄ hybrid composite by a solvothermal reaction. <i>Nanotechnology</i> , 2013, 24, 025604.	2.6	60
127	Targeted photothermal ablation of pathogenic bacterium, <i>Staphylococcus aureus</i> , with nanoscale reduced graphene oxide. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2496.	5.8	50
128	Non-enzymatic oxalic acid sensor using platinum nanoparticles modified on graphene nanosheets. <i>Nanoscale</i> , 2013, 5, 5779.	5.6	38

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129	Fabrication of graphene oxide decorated with Au@Ag alloy nanoparticles and its superior catalytic performance for the reduction of 4-nitrophenol. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7384.	10.3	126
130	Primary and tertiary amines bifunctional graphene oxide for cooperative catalysis. <i>Nanoscale</i> , 2013, 5, 6030.	5.6	92
131	A facile method to synthesize supported Pd@Au nanoparticles using graphene oxide as the reductant and their extremely high electrocatalytic activity for the electrooxidation of methanol and ethanol. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6579.	10.3	76
132	Pt@Au/nitrogen-doped graphene nanocomposites for enhanced electrochemical activities. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1754-1762.	10.3	121
133	Mesoporous silica-encapsulated gold nanoparticles as artificial enzymes for self-activated cascade catalysis. <i>Biomaterials</i> , 2013, 34, 2600-2610.	11.4	212
134	Graphene ribbon-supported Pd nanoparticles as highly durable, efficient electrocatalysts for formic acid oxidation. <i>Electrochimica Acta</i> , 2013, 88, 565-570.	5.2	30
135	Electrocatalytic activity of Pd nanoparticles supported on poly(3,4-ethylenedioxythiophene)-graphene hybrid for ethanol electrooxidation. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 1039-1047.	2.5	30
136	Surface and interface control of noble metal nanocrystals for catalytic and electrocatalytic applications. <i>Nano Today</i> , 2013, 8, 168-197.	11.9	431
137	A facile and green method to fabricate graphene-based multifunctional hydrogels for miniature-scale water purification. <i>RSC Advances</i> , 2013, 3, 9240.	3.6	65
138	The role of reducing agent in perylene tetracarboxylic acid coating on graphene sheets enhances Pd nanoparticles-electrocatalytic ethanol oxidation. <i>Catalysis Science and Technology</i> , 2013, 3, 2303.	4.1	25
139	Simultaneous and sensitive determination of ascorbic acid, dopamine, uric acid, and tryptophan with silver nanoparticles-decorated reduced graphene oxide modified electrode. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 97-106.	5.0	253
140	Novel Strategy for Preparation of Graphene-Pd, Pt Composite, and Its Enhanced Electrocatalytic Activity for Alcohol Oxidation. <i>Langmuir</i> , 2013, 29, 957-964.	3.5	176
141	One-step synthesis of graphene oxide@thionine@Au nanocomposites and its application for electrochemical immunosensing. <i>Biosensors and Bioelectronics</i> , 2013, 47, 243-247.	10.1	89
142	Mesoporous Chromium Nitride as High Performance Catalyst Support for Methanol Electrooxidation. <i>Chemistry of Materials</i> , 2013, 25, 1783-1787.	6.7	82
143	Porous Co ₃ O ₄ Nanorods@Reduced Graphene Oxide with Intrinsic Peroxidase-Like Activity and Catalysis in the Degradation of Methylene Blue. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3809-3815.	8.0	100
144	Highly-efficient peroxidase-like catalytic activity of graphene dots for biosensing. <i>Biosensors and Bioelectronics</i> , 2013, 49, 519-524.	10.1	170
145	Solvated Graphenes: An Emerging Class of Functional Soft Materials. <i>Advanced Materials</i> , 2013, 25, 13-30.	21.0	212
146	A versatile approach for decorating 2D nanomaterials with Pd or Pt nanoparticles. <i>Chemical Communications</i> , 2013, 49, 1160-1162.	4.1	43

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147	Facile and Green Synthesis of Palladium Nanoparticles-Graphene-Carbon Nanotube Material with High Catalytic Activity. <i>Scientific Reports</i> , 2013, 3, 2527.	3.3	231
148	In situ synthesis of palladium nanoparticles on multi-walled carbon nanotubes and their electroactivity for ethanol oxidation. <i>Rare Metals</i> , 2013, 32, 586-591.	7.1	9
149	Non-covalently modified graphene supported ultrafine nanoparticles of palladium for hydrogen gas sensing. <i>RSC Advances</i> , 2013, 3, 3213.	3.6	44
150	Multifunctional nanocomposites of Fe ₃ O ₄ -graphene-Au for repeated use in simultaneous adsorption, <i>in situ</i> SERS detection and catalytic reduction of 4-nitrophenol in water. <i>Materials Research Express</i> , 2014, 1, 045049.	1.6	11
152	First-principles study of small Pd-Au alloy clusters on graphene. <i>RSC Advances</i> , 2014, 4, 55781-55789.	3.6	27
153	1D Pd-Based Nanomaterials as Efficient Electrocatalysts for Fuel Cells. <i>Green Energy and Technology</i> , 2014, , 321-357.	0.6	2
154	The Improvement of Pd Nanoclusters Electro-Catalytic Properties for FAO by the Addition of Co Element. <i>Advanced Materials Research</i> , 0, 936, 332-336.	0.3	1
155	Preparation of Surfactant-Free Pt and PtRu Nanoparticles with High Activity for Methanol Oxidation. <i>Chinese Journal of Chemical Physics</i> , 2014, 27, 332-336.	1.3	6
156	Electroless synthesis of two-dimensional sandwich-like Pt/Mn ₃ O ₄ /reduced-graphene-oxide nanocomposites with enhanced electrochemical performance for methanol oxidation. <i>Electrochimica Acta</i> , 2014, 149, 34-41.	5.2	32
157	Enhancing the visible light photocatalytic performance of ternary CdS-(graphene-Pd) nanocomposites via a facile interfacial mediator and co-catalyst strategy. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19156-19166.	10.3	130
158	A High Performance Electrochemical Biosensing Platform for Glucose Detection and IgE Aptasensing Based on Fe ₃ O ₄ /Reduced Graphene Oxide Nanocomposite. <i>Electroanalysis</i> , 2014, 26, 129-138.	2.9	17
159	Nitrogen-doped graphene supported Pd@PdO core-shell clusters for C-C coupling reactions. <i>Nano Research</i> , 2014, 7, 1280-1290.	10.4	66
160	Toward improving the photocatalytic activity of BiVO ₄ -graphene 2D-2D composites under visible light by the addition of mediator. <i>RSC Advances</i> , 2014, 4, 58448-58452.	3.6	28
161	Synthesis of bimetallic PtPd nanocubes on graphene with N,N-dimethylformamide and their direct use for methanol electrocatalytic oxidation. <i>Carbon</i> , 2014, 66, 387-394.	10.3	78
162	Bimetallic PdCu nanoparticle decorated three-dimensional graphene hydrogel for non-enzymatic amperometric glucose sensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 190, 707-714.	7.8	189
163	Au nanoparticle/graphene oxide hybrids as stabilizers for Pickering emulsions and Au nanoparticle/graphene oxide@polystyrene microspheres. <i>Carbon</i> , 2014, 71, 238-248.	10.3	78
164	Pd and PdCo alloy nanoparticles supported on polypropylenimine dendrimer-grafted graphene: A highly efficient anodic catalyst for direct formic acid fuel cells. <i>Journal of Power Sources</i> , 2014, 247, 70-77.	7.8	59
165	Graphene-Mesoporous Silica-Dispersed Palladium Nanoparticles-Based Probe Carrier Platform for Electrocatalytic Sensing of Telomerase Activity at Less Than Single-Cell Level. <i>Advanced Healthcare Materials</i> , 2014, 3, 588-595.	7.6	14

#	ARTICLE	IF	CITATIONS
166	A nanoflower shaped gold-palladium alloy on graphene oxide nanosheets with exceptional activity for electrochemical oxidation of ethanol. <i>Mikrochimica Acta</i> , 2014, 181, 373-380.	5.0	24
167	25th Anniversary Article: Hybrid Nanostructures Based on Two-Dimensional Nanomaterials. <i>Advanced Materials</i> , 2014, 26, 2185-2204.	21.0	579
168	Highly stable pyridinic nitrogen doped graphene modified electrode in simultaneous determination of hydroquinone and catechol. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 623-629.	7.8	97
169	Graphene modified Palladium sensor for electrochemical analysis of norepinephrine in pharmaceuticals and biological fluids. <i>Electrochimica Acta</i> , 2014, 125, 622-629.	5.2	78
170	AuPd bimetallic nanoparticles decorated on graphene nanosheets: their green synthesis, growth mechanism and high catalytic ability in 4-nitrophenol reduction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5668-5674.	10.3	184
171	A comparative study of CO catalytic oxidation on Pd-anchored graphene oxide and Pd-embedded vacancy graphene. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	38
172	Ni ₂ O ₃ -around-Pd hybrid on graphene oxide: An efficient catalyst for ligand-free Suzuki-Miyaura coupling reaction. <i>Applied Catalysis A: General</i> , 2014, 473, 1-6.	4.3	67
173	Room-temperature synthesis of Pd/C cathode catalysts with superior performance for direct methanol fuel cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3468.	10.3	37
174	Facile synthesis of nitrogen-doped graphene supported AuPd-CeO ₂ nanocomposites with high-performance for hydrogen generation from formic acid at room temperature. <i>Nanoscale</i> , 2014, 6, 3073.	5.6	99
175	25th Anniversary Article: Chemically Modified/Doped Carbon Nanotubes & Graphene for Optimized Nanostructures & Nanodevices. <i>Advanced Materials</i> , 2014, 26, 40-67.	21.0	479
176	Catalytic Epoxidation of Olefins with Graphene Oxide Supported Copper (Salen) Complex. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 4232-4238.	3.7	116
177	Photoassisted Enhancement of the Electrocatalytic Oxidation of Formic Acid on Platinized TiO ₂ Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5585-5594.	8.0	37
178	Pt-Cu alloy with high density of surface Pt defects for efficient catalysis of breaking C-C bond in ethanol. <i>Electrochimica Acta</i> , 2014, 125, 29-37.	5.2	32
179	Au nanoparticles on citrate-functionalized graphene nanosheets with a high peroxidase-like performance. <i>Dalton Transactions</i> , 2014, 43, 7449-7454.	3.3	83
180	Efficient electrochemical reduction of bromate by a Pd/rGO/CFP electrode with low applied potentials. <i>Applied Catalysis B: Environmental</i> , 2014, 160-161, 179-187.	20.2	60
181	PtPd nanodendrites supported on graphene nanosheets: A peroxidase-like catalyst for colorimetric detection of H ₂ O ₂ . <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 286-292.	7.8	99
182	A novel electrochemiluminescence glucose biosensor based on platinum nanoflowers/graphene oxide/glucose oxidase modified glassy carbon electrode. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 2375-2382.	2.5	28
183	Self-Assembly of Graphene Oxide at Interfaces. <i>Advanced Materials</i> , 2014, 26, 5586-5612.	21.0	334

#	ARTICLE	IF	CITATIONS
184	Transition-Metal-Mediated Polymerization of Dopamine: Mussel-Inspired Approach for the Facile Synthesis of Robust Transition-Metal Nanoparticle-Graphene Hybrids. <i>Chemistry - A European Journal</i> , 2014, 20, 7776-7783.	3.3	95
185	Graphene-Supported Ultrafine Metal Nanoparticles Encapsulated by Mesoporous Silica: Robust Catalysts for Oxidation and Reduction Reactions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 250-254.	13.8	384
186	Green synthesis of graphene-PtPd alloy nanoparticles with high electrocatalytic performance for ethanol oxidation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 315-320.	10.3	128
187	Homogeneous Pd nanoparticles produced in direct reactions: green synthesis, formation mechanism and catalysis properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1369-1374.	10.3	61
188	High-sensitivity paracetamol sensor based on Pd/graphene oxide nanocomposite as an enhanced electrochemical sensing platform. <i>Biosensors and Bioelectronics</i> , 2014, 54, 468-475.	10.1	160
189	Nonenzymatic sensing of glucose at neutral pH values using a glassy carbon electrode modified with graphene nanosheets and Pt-Pd bimetallic nanocubes. <i>Mikrochimica Acta</i> , 2014, 181, 783-789.	5.0	55
190	Graphene as electronic structure modifier of nanostructured Pt film for enhanced methanol oxidation reaction electrocatalysis. <i>Carbon</i> , 2014, 66, 691-698.	10.3	18
191	Excellent electrocatalytic performance of Pt nanoparticles on reduced graphene oxide nanosheets prepared by a direct redox reaction between Na ₂ PtCl ₄ and graphene oxide. <i>Carbon</i> , 2014, 67, 617-626.	10.3	29
192	In situ growth of Au nanocrystals on graphene oxide sheets. <i>Nanoscale</i> , 2014, 6, 1281-1285.	5.6	27
193	Fabrication of Au-Pd nanoparticles/graphene oxide and their excellent catalytic performance. <i>Materials Research Bulletin</i> , 2014, 51, 397-401.	5.2	29
194	Surfactant-Free, Stable Noble Metal-Graphene Nanocomposite as High Performance Electrocatalyst. <i>ACS Catalysis</i> , 2014, 4, 593-599.	11.2	76
195	Well-Coupled Graphene and Pd-Based Bimetallic Nanocrystals Nanocomposites for Electrocatalytic Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 2086-2094.	8.0	67
196	Synergistic effect of mesoporous Mn ₂ O ₃ -supported Pd nanoparticle catalysts for electrocatalytic oxygen reduction reaction with enhanced performance in alkaline medium. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1272-1276.	10.3	51
197	Controlled Synthesis of Ultrafine Surfactant-Free NiPt Nanocatalysts toward Efficient and Complete Hydrogen Generation from Hydrazine Borane at Room Temperature. <i>ACS Catalysis</i> , 2014, 4, 4261-4268.	11.2	83
198	Synthesis and Electrocatalytic Properties of Uniform Palladium Nanocubes by using Graphene Oxide as Surfactant and Support. <i>ChemCatChem</i> , 2014, 6, 2215-2218.	3.7	5
199	Transfer of Silica-Coated Magnetic (Fe ₃ O ₄) Nanoparticles Through Food: A Molecular and Morphological Study in Zebrafish. <i>Zebrafish</i> , 2014, 11, 567-579.	1.1	42
200	Bifunctional Nanocatalyst Based on Three-Dimensional Carbon Nanotube-Graphene Hydrogel Supported Pd Nanoparticles: One-Pot Synthesis and Its Catalytic Properties. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21035-21040.	8.0	117
201	A highly sensitive electrochemical sensor for simultaneous determination of hydroquinone and bisphenol A based on the ultrafine Pd nanoparticle@TiO ₂ functionalized SiC. <i>Analytica Chimica Acta</i> , 2014, 852, 28-36.	5.4	71

#	ARTICLE	IF	CITATIONS
202	Reduction free room temperature synthesis of a durable and efficient Pd/ordered mesoporous carbon composite electrocatalyst for alkaline direct alcohols fuel cell. RSC Advances, 2014, 4, 676-682.	3.6	37
203	Size-controlled PdO/graphene oxides and their reduction products with high catalytic activity. RSC Advances, 2014, 4, 29563-29570.	3.6	32
204	Metal-Free and Pt-Decorated Graphene-Based Catalysts for Hydrogen Production in a Sulfur/Iodine Thermochemical Cycle. Industrial & Engineering Chemistry Research, 2014, 53, 11920-11928.	3.7	11
206	Low-cost Nanomaterials. Green Energy and Technology, 2014, , .	0.6	16
207	Nanostructured palladium-reduced graphene oxide platform for high sensitive, label free detection of a cancer biomarker. RSC Advances, 2013, 4, 2267-2273.	3.6	38
208	One-pot synthesized DNA-templated Ag/Pt bimetallic nanoclusters as peroxidase mimics for colorimetric detection of thrombin. Chemical Communications, 2014, 50, 13103-13106.	4.1	116
209	Shape dependent catalytic activity of nanoflowers and nanospheres of Pd ₄ S generated via one pot synthesis and grafted on graphene oxide for Suzuki coupling. Dalton Transactions, 2014, 43, 12555.	3.3	42
210	Gold nanodendrities on graphene oxide nanosheets for oxygen reduction reaction. Journal of Materials Chemistry A, 2014, 2, 1697-1703.	10.3	80
211	Improved electrocatalytic activity for ethanol oxidation by Pd@N-doped carbon from biomass. Chemical Communications, 2014, 50, 12637-12640.	4.1	65
212	Reduced Graphene Oxide Supported Palladium Nanoparticles via Photoassisted Citrate Reduction for Enhanced Electrocatalytic Activities. ACS Applied Materials & Interfaces, 2014, 6, 15795-15801.	8.0	67
213	Electrodeposition of dendritic Pd nanoarchitectures on n-GaN(0001): nucleation and electrocatalysis for direct formic acid fuel cells. Electrochimica Acta, 2014, 145, 148-153.	5.2	24
214	Morphology-dependent electrochemical sensing properties of manganese dioxide-graphene oxide hybrid for guaiacol and vanillin. Electrochimica Acta, 2014, 147, 157-166.	5.2	52
215	Self-assembled calixarene aligned patterning of noble metal nanoparticles on graphene. Nanoscale, 2014, 6, 4517-4520.	5.6	16
216	Au nanoparticle-loaded PDMAEMA brush grafted graphene oxide hybrid systems for thermally smart catalysis. RSC Advances, 2014, 4, 44480-44485.	3.6	30
217	Palladium nanoparticles anchored on graphene nanosheets: Methanol, ethanol oxidation reactions and their kinetic studies. Materials Research Bulletin, 2014, 60, 150-157.	5.2	19
218	One pot in situ growth of gold nanoparticles on amine-modified graphene oxide and their high catalytic properties. Applied Surface Science, 2014, 316, 132-140.	6.1	28
219	Synthesis of cubic and spherical Pd nanoparticles on graphene and their electrocatalytic performance in the oxidation of formic acid. Nanoscale, 2014, 6, 13154-13162.	5.6	46
220	One-pot hydrothermal synthesis of zirconium dioxide nanoparticles decorated reduced graphene oxide composite as high performance electrochemical sensing and biosensing platform. Electrochimica Acta, 2014, 143, 196-206.	5.2	72

#	ARTICLE	IF	CITATIONS
221	Morphology control, defect engineering and photoactivity tuning of ZnO crystals by graphene oxide as a unique 2D macromolecular surfactant. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 5589.	2.8	124
222	Synthesis of silver-graphene nanocomposite and its catalytic application for the one-pot three-component coupling reaction and one-pot synthesis of 1,4-disubstituted 1,2,3-triazoles in water. <i>RSC Advances</i> , 2014, 4, 10001.	3.6	99
223	A facile one-pot method to Au-SnO ₂ -graphene ternary hybrid. <i>Materials Research Bulletin</i> , 2014, 59, 77-83.	5.2	5
224	In Situ Growth of Porous Platinum Nanoparticles on Graphene Oxide for Colorimetric Detection of Cancer Cells. <i>Analytical Chemistry</i> , 2014, 86, 2711-2718.	6.5	233
225	Graphene induced formation of single crystal Pt nanosheets through 2-dimensional aggregation and sintering of nanoparticles in molten salt medium. <i>Carbon</i> , 2014, 77, 1123-1131.	10.3	19
226	Tuning the reactivity of Ru nanoparticles by defect engineering of the reduced graphene oxide support. <i>RSC Advances</i> , 2014, 4, 22230-22240.	3.6	20
227	Novel and Facile Method, Dynamic Self-Assemble, To Prepare SnO ₂ /rGO Droplet Aerogel with Complex Morphologies and Their Application in Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 14327-14337.	8.0	58
228	FeP nanoparticles grown on graphene sheets as highly active non-precious-metal electrocatalysts for hydrogen evolution reaction. <i>Chemical Communications</i> , 2014, 50, 11554-11557.	4.1	187
229	Graphene nanosheets functionalized with 4-aminothiophenol as a stable support for the oxidation of formic acid based on self-supported Pd-nanoclusters via galvanic replacement from Cu ₂ O nanocubes. <i>Journal of Electroanalytical Chemistry</i> , 2014, 731, 20-27.	3.8	13
230	PtPd nanowire arrays supported on reduced graphene oxide as advanced electrocatalysts for methanol oxidation. <i>Carbon</i> , 2014, 79, 346-353.	10.3	71
231	Artificial photosynthesis over graphene-semiconductor composites. Are we getting better?. <i>Chemical Society Reviews</i> , 2014, 43, 8240-8254.	38.1	534
232	Molecular doping of graphene as metal-free electrocatalyst for oxygen reduction reaction. <i>Chemical Communications</i> , 2014, 50, 10672.	4.1	78
233	Hydrogen induced p-phosphonic acid calix[8]arene controlled growth of Ru, Pt and Pd nanoparticles. <i>Chemical Communications</i> , 2014, 50, 15167-15170.	4.1	13
234	Three-dimensional reduced graphene oxide architecture embedded palladium nanoparticles as highly active catalyst for the Suzuki-Miyaura coupling reaction. <i>Materials Chemistry and Physics</i> , 2014, 148, 103-109.	4.0	20
235	Noncovalently Functionalized Graphene-Directed Synthesis of Ultralarge Graphene-Based TiO ₂ Nanosheet Composites: Tunable Morphology and Photocatalytic Applications. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27325-27335.	3.1	54
236	Carbon nanodots as reductant and stabilizer for one-pot sonochemical synthesis of amorphous carbon-supported silver nanoparticles for electrochemical nonenzymatic H ₂ O ₂ sensing. <i>Journal of Electroanalytical Chemistry</i> , 2014, 728, 26-33.	3.8	39
237	Ag-Fe ₃ O ₄ nanocomposites@chitin microspheres constructed by in situ one-pot synthesis for rapid hydrogenation catalysis. <i>Green Chemistry</i> , 2014, 16, 2835-2845.	9.0	120
238	Fast synthesis of Ag-Pd@reduced graphene oxide bimetallic nanoparticles and their applications as carbon-carbon coupling catalysts. <i>RSC Advances</i> , 2014, 4, 30914.	3.6	39

#	ARTICLE	IF	CITATIONS
239	Phosphotungstic Acid Immobilized on Amine-Grafted Graphene Oxide as Acid/Base Bifunctional Catalyst for One-Pot Tandem Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 1437-1441.	3.7	46
240	Preparation of nitrogen-doped graphene supporting Pt nanoparticles as a catalyst for oxygen reduction and methanol oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2014, 728, 41-50.	3.8	41
241	Recent progress on graphene-based hybrid electrocatalysts. <i>Materials Horizons</i> , 2014, 1, 379-399.	12.2	303
242	Factors that affect the stability, type and morphology of Pickering emulsion stabilized by silver nanoparticles/graphene oxide nanocomposites. <i>Materials Research Bulletin</i> , 2014, 60, 118-129.	5.2	61
243	Palladium nanoparticles supported on graphitic carbon nitride-modified reduced graphene oxide as highly efficient catalysts for formic acid and methanol electrooxidation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19084-19094.	10.3	146
244	Graphene Oxide as a Surfactant and Support for In-Situ Synthesis of Au@Pd Nanoalloys with Improved Visible Light Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5299-5308.	3.1	97
245	Novel graphene-like nanosheet supported highly active electrocatalysts with ultralow Pt loadings for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16898-16904.	10.3	21
246	Graphene-Supported Nanoelectrocatalysts for Fuel Cells: Synthesis, Properties, and Applications. <i>Chemical Reviews</i> , 2014, 114, 5117-5160.	47.7	899
247	Sub-5 nm Pd@Ru Nanoparticle Alloys as Efficient Catalysts for Formic Acid Electrooxidation. <i>ChemCatChem</i> , 2014, 6, 1731-1736.	3.7	44
248	Sulfur-Functionalized Graphene Oxide by Epoxide Ring-Opening. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7613-7618.	13.8	130
249	One-pot ionic liquid-assisted synthesis of highly dispersed PtPd nanoparticles/reduced graphene oxide composites for nonenzymatic glucose detection. <i>Biosensors and Bioelectronics</i> , 2014, 56, 223-230.	10.1	100
250	Graphene oxide as structure-directing and morphology-controlling agent for the syntheses of heterostructured graphene-Bi ₂ MoO ₆ /Bi _{3.64} MoO _{3.66} composites with high photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2014, 156-157, 447-455.	20.2	63
251	Preparation and characterization of poly(vinyl alcohol)/sodium alginate blended membrane for alkaline solid polymer electrolytes membrane. <i>Journal of Membrane Science</i> , 2014, 457, 139-148.	8.2	102
252	One-pot fabrication of FePt/reduced graphene oxide composites as highly active and stable electrocatalysts for the oxygen reduction reaction. <i>Carbon</i> , 2014, 68, 755-762.	10.3	59
253	Green synthesis of Pt-on-Pd bimetallic nanodendrites on graphene via in situ reduction, and their enhanced electrocatalytic activity for methanol oxidation. <i>Electrochimica Acta</i> , 2014, 127, 377-383.	5.2	52
254	Sonochemical fabrication of gold nanoparticles@boron nitride sheets nanocomposites for enzymeless hydrogen peroxide detection. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1958-1963.	8.2	36
255	Palladium nanocrystals supported on photo-transformed C60 nanorods: Effect of crystal morphology and electron mobility on the electrocatalytic activity towards ethanol oxidation. <i>Carbon</i> , 2014, 73, 34-40.	10.3	13
256	Clean Method for the Synthesis of Reduced Graphene Oxide-Supported PtPd Alloys with High Electrocatalytic Activity for Ethanol Oxidation in Alkaline Medium. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3607-3614.	8.0	181

#	ARTICLE	IF	CITATIONS
257	Hydrothermal route to metastable phase FeVO ₄ ultrathin nanosheets with exposed {010} facets: synthesis, photocatalysis and gas-sensing. CrystEngComm, 2014, 16, 270-276.	2.6	49
258	Graphene-supported small-sized palladium nanoparticles made by a facile photochemical approaches. Tetrahedron, 2014, 70, 6188-6192.	1.9	8
259	Effect of carbon material on Pd catalyst for formic acid electrooxidation reaction. Journal of Power Sources, 2014, 266, 481-487.	7.8	36
260	Recent Nanoarchitectures in Metal Nanoparticle-Graphene Nanocomposite Modified Electrodes for Electroanalysis. Analytical Sciences, 2014, 30, 529-538.	1.6	13
261	Synthesis of Palladium Nanoparticles on Citrate-functionalized Graphene Oxide with High Catalytic Activity for 4-Nitrophenol Reduction. Chemistry Letters, 2014, 43, 919-921.	1.3	12
262	Cobalt-Porphyrin-Platinum-Functionalized Reduced Graphene Oxide Hybrid Nanostructures: A Novel Peroxidase Mimetic System For Improved Electrochemical Immunoassay. Scientific Reports, 2015, 5, 15113.	3.3	51
263	Formation and self-assembly growth of palladium nanospheres into flowerlike microstructures using hydrogen peroxide as a sole reducing and shape-controlling agent. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	2
264	Multifunctional graphene-based nanostructures for efficient electrocatalytic reduction of oxygen. Journal of Chemical Technology and Biotechnology, 2015, 90, 2132-2151.	3.2	20
265	3D Graphene Hollow Nanospheres@Palladium Networks as an Efficient Electrocatalyst for Formic Acid Oxidation. Advanced Materials Interfaces, 2015, 2, 1500321.	3.7	35
266	Clean Synthesis of an Economical 3D Nanochain Network of PdCu Alloy with Enhanced Electrocatalytic Performance towards Ethanol Oxidation. Chemistry - A European Journal, 2015, 21, 17779-17785.	3.3	50
267	Popping of Graphite Oxide: Application in Preparing Metal Nanoparticle Catalysts. Advanced Materials, 2015, 27, 4688-4694.	21.0	48
268	Graphene hybrids: synthesis strategies and applications in sensors and sensitized solar cells. Frontiers in Chemistry, 2015, 3, 38.	3.6	67
269	Recent Development of Pd-Based Electrocatalysts for Proton Exchange Membrane Fuel Cells. Catalysts, 2015, 5, 1221-1274.	3.5	82
270	A Facile Synthesis of Hollow Palladium/Copper Alloy Nanocubes Supported on N-Doped Graphene for Ethanol Electrooxidation Catalyst. Catalysts, 2015, 5, 747-758.	3.5	25
271	Palladium nanoparticles anchored to anatase TiO ₂ for enhanced surface plasmon resonance-stimulated, visible-light-driven photocatalytic activity. Beilstein Journal of Nanotechnology, 2015, 6, 428-437.	2.8	133
272	Synthesis and Characterization of Graphene-Cu Nanocomposites by One-Pot Solvothermal Approach. Applied Mechanics and Materials, 0, 723, 524-527.	0.2	0
273	Thin film hydrogels from redox responsive poly(ferrocenylsilanes): Preparation, properties, and applications in electrocatalysis. European Polymer Journal, 2015, 72, 535-542.	5.4	24
274	Platinum nanoparticles/graphene-oxide hybrid with excellent peroxidase-like activity and its application for cysteine detection. Analyst, The, 2015, 140, 5251-5256.	3.5	95

#	ARTICLE	IF	CITATIONS
275	Au@Pd core-shell nanoparticles-decorated reduced graphene oxide: a highly sensitive and selective platform for electrochemical detection of hydrazine. <i>RSC Advances</i> , 2015, 5, 51690-51700.	3.6	71
276	Hydroxyl-rich nanoporous carbon nanosheets synthesized by a one-pot method and their application in the in situ preparation of well-dispersed Ag nanoparticles. <i>RSC Advances</i> , 2015, 5, 96062-96066.	3.6	10
277	A highly efficient Pd/graphene oxide catalyst with abundant oxygen groups for the hydrogenation of olefins. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 116, 409-419.	1.7	10
278	Preparation of cobalt silicide on graphene as Pt electrocatalyst supports for highly efficient and stable methanol oxidation in acidic media. <i>Electrochimica Acta</i> , 2015, 161, 48-54.	5.2	25
279	A general strategy for the facile synthesis of AuM (M = Pt/Pd) alloyed flowerlike-assembly nanochains for enhanced oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5352-5359.	10.3	48
280	<i>In Situ</i> Synthesis of Self-Assembled Three-Dimensional Graphene-Magnetic Palladium Nanohybrids with Dual-Enzyme Activity through One-Pot Strategy and Its Application in Glucose Probe. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3480-3491.	8.0	86
281	Controllable synthesis of palladium nanocubes/reduced graphene oxide composites and their enhanced electrocatalytic performance. <i>Journal of Power Sources</i> , 2015, 280, 422-429.	7.8	25
282	Pd-Nanoparticle-Supported, PDDA-Functionalized Graphene as a Promising Catalyst for Alcohol Oxidation. <i>Chemistry - an Asian Journal</i> , 2015, 10, 667-673.	3.3	31
283	Enhancements of Catalyst Distribution and Functioning Upon Utilization of Conducting Polymers as Supporting Matrices in DMFCs: A Review. <i>Polymer Reviews</i> , 2015, 55, 1-56.	10.9	74
284	Uniform Pd-Pt alloy nanoparticles supported on graphite nanoplatelets with high electrocatalytic activity towards methanol oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5204-5211.	10.3	87
285	Clean synthesis of Cu ₂ O@CeO ₂ core-shell nanocubes with highly active interface. <i>NPG Asia Materials</i> , 2015, 7, e158-e158.	7.9	71
286	Reduced Graphene Oxide Supported Bimetallic Cobalt-Palladium Nanoparticles with High Catalytic Activity towards Formic Acid Electro-oxidation. <i>Journal of Materials Science and Technology</i> , 2015, 31, 30-36.	10.7	18
287	π-stacking intercalation and reductant assisted stabilization of osmium organosol for catalysis and SERS applications. <i>RSC Advances</i> , 2015, 5, 11850-11860.	3.6	10
288	Al ₂ O ₃ supported Pd@CeO ₂ core-shell nanospheres: salting-out assisted growth and self-assembly, and their catalytic performance in CO oxidation. <i>Chemical Science</i> , 2015, 6, 2877-2884.	7.4	86
289	A Triptycene-Based Microporous Organic Polymer Bearing Tridentate Ligands and Its Application in Suzuki-Miyaura Cross-Coupling Reaction. <i>Macromolecular Rapid Communications</i> , 2015, 36, 413-418.	3.9	26
290	Component-Controlled Synthesis and Assembly of Cu-Pd Nanocrystals on Graphene for Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5347-5357.	8.0	60
291	Promoting Visible-Light Photocatalysis with Palladium Species as Cocatalyst. <i>ChemCatChem</i> , 2015, 7, 2047-2054.	3.7	24
292	A polyoxometalate-assisted approach for synthesis of Pd nanoparticles on graphene nanosheets: synergistic behaviour for enhanced electrocatalytic activity. <i>RSC Advances</i> , 2015, 5, 24319-24326.	3.6	35

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293	One-Pot Synthesis of Three-Dimensional Graphene/Carbon Nanotube/SnO ₂ Hybrid Architectures with Enhanced Lithium Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17963-17968.	8.0	75
294	Hydrogen-gas sensors based on graphene functionalized palladium nanoparticles: impedance response as a valuable sensor. <i>New Journal of Chemistry</i> , 2015, 39, 8044-8054.	2.8	43
295	Ultrasensitive non-enzymatic glucose sensing at near-neutral pH values via anodic stripping voltammetry using a glassy carbon electrode modified with Pt ₃ Pd nanoparticles and reduced graphene oxide. <i>Mikrochimica Acta</i> , 2015, 182, 2055-2060.	5.0	32
296	Three-Dimensional Porous NiO Nanosheets Vertically Grown on Graphite Disks for Enhanced Performance Non-enzymatic Glucose Sensor. <i>Electrochimica Acta</i> , 2015, 174, 745-752.	5.2	87
297	Tunable catalytic reactivity of small palladium clusters supported on graphene: a first-principles study. <i>RSC Advances</i> , 2015, 5, 61861-61867.	3.6	9
298	In situ preparation of graphene oxide supported Pd nanoparticles in an ionic liquid and the long-term catalytic stability for the Heck reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16583-16589.	10.3	23
299	Facile in situ synthesis of silver nanoparticles on boron nitride nanosheets with enhanced catalytic performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16663-16669.	10.3	110
300	Synthesis and characterizations of palladium catalysts with high activity and stability for formic acid oxidation by hydrogen reduction in ethylene glycol at room temperature. <i>Journal of Power Sources</i> , 2015, 294, 556-561.	7.8	8
301	Redox reaction induced Ostwald ripening for size- and shape-focusing of palladium nanocrystals. <i>Chemical Science</i> , 2015, 6, 5197-5203.	7.4	69
302	Engineering high-performance Pd core@MgO porous shell nanocatalysts via heterogeneous gas-phase synthesis. <i>Nanoscale</i> , 2015, 7, 13387-13392.	5.6	18
303	Preparation of SnO ₂ /graphene nanocomposite and its application to the catalytic epoxidation of alkenes with H ₂ O ₂ . <i>RSC Advances</i> , 2015, 5, 61481-61485.	3.6	11
304	Simultaneous determination of two flavonoids based on disulfide linked β -cyclodextrin dimer and Pd cluster functionalized graphene-modified electrode. <i>RSC Advances</i> , 2015, 5, 60775-60785.	3.6	15
305	Oxides in silver@graphene nanocomposites: electrochemical signatures and electrocatalytic implications. <i>Analyst</i> , 2015, 140, 5601-5608.	3.5	19
306	Determination of melamine in food contact materials using an electrode modified with gold nanoparticles and reduced graphene oxide. <i>Mikrochimica Acta</i> , 2015, 182, 1967-1975.	5.0	29
307	Ethanol electro-oxidation on nanoworm-shaped Pd particles supported by nanographitic layers fabricated by electrophoretic deposition. <i>RSC Advances</i> , 2015, 5, 52578-52587.	3.6	20
308	Facile fabrication of palladium-ionic liquids-nitrogen-doped graphene nanocomposites as enhanced electro-catalyst for ethanol oxidation. <i>Journal of Power Sources</i> , 2015, 294, 360-368.	7.8	29
309	Enhanced Surface Reaction Kinetics and Charge Separation of n Heterojunction Co ₃ O ₄ /BiVO ₄ Photoanodes. <i>Journal of the American Chemical Society</i> , 2015, 137, 8356-8359.	13.7	767
310	Graphdiyne Oxides as Excellent Substrate for Electroless Deposition of Pd Clusters with High Catalytic Activity. <i>Journal of the American Chemical Society</i> , 2015, 137, 5260-5263.	13.7	341

#	ARTICLE	IF	CITATIONS
311	Room-temperature synthesis with inert bubble templates to produce clean PdCoP alloy nanoparticle networks for enhanced hydrazine electro-oxidation. RSC Advances, 2015, 5, 9837-9842.	3.6	27
312	Development of a Highly Active Electrocatalyst via Ultrafine Pd Nanoparticles Dispersed on Pristine Graphene. Langmuir, 2015, 31, 2576-2583.	3.5	46
313	Scalable synthesis of a Pd nanoparticle loaded hierarchically porous graphene network through multiple synergistic interactions. Chemical Communications, 2015, 51, 8357-8360.	4.1	34
314	A facile strategy to synthesize three-dimensional Pd@Pt core-shell nanoflowers supported on graphene nanosheets as enhanced nanoelectrocatalysts for methanol oxidation. Chemical Communications, 2015, 51, 10490-10493.	4.1	55
315	Recent advances in noble metal based composite nanocatalysts: colloidal synthesis, properties, and catalytic applications. Nanoscale, 2015, 7, 10559-10583.	5.6	150
316	Design of a graphene oxide-SnO ₂ nanocomposite with superior catalytic efficiency for the synthesis of β^2 -enaminones and β^2 -enaminoesters. RSC Advances, 2015, 5, 39193-39204.	3.6	71
317	Bimetallic Au@Pt@Au core-shell nanoparticles on graphene oxide nanosheets for high-performance H ₂ O ₂ bi-directional sensing. Journal of Materials Chemistry B, 2015, 3, 4355-4362.	5.8	52
318	A green approach to recover Au(III) in aqueous solution using biologically assembled rGO hydrogels. Chemical Engineering Journal, 2015, 270, 476-484.	12.7	19
319	Advanced solid-state asymmetric supercapacitors based on 3D graphene/MnO ₂ and graphene/polypyrrole hybrid architectures. Journal of Materials Chemistry A, 2015, 3, 12828-12835.	10.3	160
320	Shape-controlled synthesis of Pd nanoparticles for effective photocatalytic hydrogen production. RSC Advances, 2015, 5, 40892-40898.	3.6	27
321	Ni@Pd/PEI-rGO stack structures with controllable Pd shell thickness as advanced electrodes for efficient hydrogen evolution. Journal of Materials Chemistry A, 2015, 3, 11261-11268.	10.3	64
322	Enhanced visible light photocatalytic activity of alkaline earth metal ions-doped CdSe/rGO photocatalysts synthesized by hydrothermal method. Applied Catalysis B: Environmental, 2015, 172-173, 174-184.	20.2	123
323	Phosphorus-Modified Tungsten Nitride/Reduced Graphene Oxide as a High-Performance, Non-Noble Metal Electrocatalyst for the Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2015, 54, 6325-6329.	13.8	515
324	Multiple roles of graphene in heterogeneous catalysis. Chemical Society Reviews, 2015, 44, 3023-3035.	38.1	313
325	Graphene based nanomaterials as chemical sensors for hydrogen peroxide - A comparison study of their intrinsic peroxidase catalytic behavior. Sensors and Actuators B: Chemical, 2015, 213, 474-483.	7.8	93
327	Oxidative coupling of aromatic thiols to corresponding disulfides using magnetic particle-supported sulfonic acid catalyst and hydrogen peroxide under mild conditions. Journal of Sulfur Chemistry, 2015, 36, 300-307.	2.0	7
328	Electron-transfer transparency of graphene: Fast reduction of metal ions on graphene-covered donor surfaces. Physica Status Solidi - Rapid Research Letters, 2015, 9, 180-186.	2.4	14
329	Electrospun polyacrylonitrile nanofibers supported alloyed Pd-Pt nanoparticles as recyclable catalysts for hydrogen generation from the hydrolysis of ammonia borane. RSC Advances, 2015, 5, 94456-94461.	3.6	29

#	ARTICLE	IF	CITATIONS
330	Highly dispersed palladium nanoparticles on commercial carbon black with significantly high electro-catalytic activity for methanol and ethanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 12382-12391.	7.1	31
331	An effective approach for modifying carbonaceous materials with niobium single sites to improve their catalytic properties. <i>Dalton Transactions</i> , 2015, 44, 19956-19965.	3.3	7
332	Effect of size and oxidation state of platinum nanoparticles on the electrocatalytic performance of graphene-nanoparticle composites. <i>RSC Advances</i> , 2015, 5, 85196-85201.	3.6	18
333	Reduced graphene oxide nanosheets decorated with AuPd bimetallic nanoparticles: a multifunctional material for photothermal therapy of cancer cells. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8366-8374.	5.8	29
334	Ultrafine FePd Nanoalloys Decorated Multiwalled Carbon Nanotubes toward Enhanced Ethanol Oxidation Reaction. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23920-23931.	8.0	56
335	Selective Enrichment and MALDI-TOF MS Analysis of Small Molecule Compounds with Vicinal Diols by Boric Acid-Functionalized Graphene Oxide. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 1291-1298.	2.8	27
336	Immobilizing Extremely Catalytically Active Palladium Nanoparticles to Carbon Nanospheres: A Weakly-Capping Growth Approach. <i>Journal of the American Chemical Society</i> , 2015, 137, 11743-11748.	13.7	215
337	Fabrication of a silver nanowire-reduced graphene oxide-based electrochemical biosensor and its enhanced sensitivity in the simultaneous determination of ascorbic acid, dopamine, and uric acid. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9444-9453.	5.5	66
338	Pd nanoparticles supported on three-dimensional graphene aerogels as highly efficient catalysts for methanol electrooxidation. <i>Electrochimica Acta</i> , 2015, 178, 838-846.	5.2	28
339	Accessing stable zirconium carboxy-aminophosphonate nanosheets as support for highly active Pd nanoparticles. <i>Chemical Communications</i> , 2015, 51, 15990-15993.	4.1	42
340	Electrochemical detection of DNA by using Pd/GO label copper stain for signal amplification. <i>Analytical Methods</i> , 2015, 7, 8554-8560.	2.7	4
341	Hollow PdCu nanocubes supported by N-doped graphene: A surface science and electrochemical study. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 14305-14313.	7.1	17
342	Facile synthesis of palladium nanocatalyst using gum kondagogu (<i>Cochlospermum gossypium</i>): a natural biopolymer. <i>IET Nanobiotechnology</i> , 2015, 9, 362-367.	3.8	21
343	Bifunctionalized Mesoporous Silica-Supported Gold Nanoparticles: Intrinsic Oxidase and Peroxidase Catalytic Activities for Antibacterial Applications. <i>Advanced Materials</i> , 2015, 27, 1097-1104.	21.0	511
344	Assembly of gold nanoparticles on graphene film via electroless deposition: spontaneous reduction of Au^{3+} ions by graphene film. <i>RSC Advances</i> , 2015, 5, 4964-4971.	3.6	27
345	Metal Nanoparticles Immobilized on Carbon Nanodots as Highly Active Catalysts for Hydrogen Generation from Hydrazine in Aqueous Solution. <i>ChemCatChem</i> , 2015, 7, 526-531.	3.7	36
346	Deoxyribonucleic acid-directed growth of well dispersed nickel-palladium-platinum nanoclusters on graphene as an efficient catalyst for ethanol electrooxidation. <i>Journal of Power Sources</i> , 2015, 27, 43-49.	7.8	42
347	One-step synthesis of palladium-gold-silver ternary nanoparticles supported on reduced graphene oxide for the electrooxidation of methanol and ethanol. <i>Electrochimica Acta</i> , 2015, 172, 42-51.	5.2	44

#	ARTICLE	IF	CITATIONS
348	Dual-functional Pt-on-Pd supported on reduced graphene oxide hybrids: Peroxidase-mimic activity and an enhanced electrocatalytic oxidation characteristic. <i>Talanta</i> , 2015, 134, 132-135.	5.5	20
349	Facile one-pot synthesis of Pd@PEDOT/graphene nanocomposites with hierarchical structure and high electrocatalytic performance for ethanol oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1077-1088.	10.3	97
350	Encapsulating Pd Nanoparticles in Double-Shelled Graphene@Carbon Hollow Spheres for Excellent Chemical Catalytic Property. <i>Scientific Reports</i> , 2014, 4, 4053.	3.3	106
351	Metal Permeation into Multi-layered Graphene Oxide. <i>Scientific Reports</i> , 2014, 4, 3647.	3.3	32
352	Redox-responsive organometallic hydrogels for in situ metal nanoparticle synthesis. <i>Chemical Communications</i> , 2015, 51, 636-639.	4.1	36
353	Stable silver nanoclusters electrochemically deposited on nitrogen-doped graphene as efficient electrocatalyst for oxygen reduction reaction. <i>Journal of Power Sources</i> , 2015, 274, 1173-1179.	7.8	78
354	Ultradispersed platinum nanoclusters on polydopamine-functionalized carbon nanotubes as an excellent catalyst for methanol oxidation reaction. <i>Applied Catalysis A: General</i> , 2015, 490, 65-70.	4.3	38
355	Electrochemical simultaneous determination of hydroquinone and p-nitrophenol based on host-guest molecular recognition capability of dual β -cyclodextrin functionalized Au@graphene nanohybrids. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 1-8.	7.8	46
356	Molecularly engineered graphene surfaces for sensing applications: A review. <i>Analytica Chimica Acta</i> , 2015, 859, 1-19.	5.4	192
357	Synergistic Electronic Pull of Graphene Oxide Supported Pd Nanoparticles on Enhancing Catalytic Activity of Electro Deposited Pt Nanoparticles for Methanol Oxidation Reaction. <i>International Journal of Electrochemical Science</i> , 2016, , 6735-6746.	1.3	3
359	Facile One-Step Synthesis of Mesoporous Tin Oxide Hollow Spheres and Their Functionalized Nanoreactor Variants. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 519-523.	2.3	6
360	Mesoporous Trimetallic PtPdRu Spheres as Superior Electrocatalysts. <i>Chemistry - A European Journal</i> , 2016, 22, 7174-7178.	3.3	24
361	One-Step Pyrolysis Preparation of 1.1.1 Oriented Gold Nanoplatelets Supported on Graphene and Six Orders of Magnitude Enhancement of the Resulting Catalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 607-612.	13.8	37
362	High catalytic activities of palladium nanowires synthesized using liquid crystal templating approach. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 126-134.	4.8	41
363	Gold Nanoparticle@Polydopamine@Reduced Graphene Oxide Ternary Nanocomposite as an Efficient Catalyst for Selective Oxidation of Benzylic C(sp ³)-H Bonds Under Mild Conditions. <i>ChemCatChem</i> , 2016, 8, 1825-1835.	3.7	46
364	PtCu alloy nanotube arrays supported on carbon fiber cloth as flexible anodes for direct methanol fuel cell. <i>AIChE Journal</i> , 2016, 62, 975-983.	3.6	22
365	C-X (X = Cl, Br, I) bond dissociation energy as a descriptor for the redispersion of sintered Au/AC catalysts. <i>Chinese Journal of Catalysis</i> , 2016, 37, 1794-1803.	14.0	15
366	Pd/RGO modified carbon felt cathode for electro-Fenton removing of EDTA-Ni. <i>Water Science and Technology</i> , 2016, 74, 639-646.	2.5	7

#	ARTICLE	IF	CITATIONS
368	Ultrasmall PdMn _{1-x} O _x binary alloyed nanoparticles on graphene catalysts for ethanol oxidation in alkaline media. <i>Journal of Power Sources</i> , 2016, 308, 180-188.	7.8	59
369	Three-Dimensional Graphene Supported Bimetallic Nanocomposites with DNA Regulated-Flexibly Switchable Peroxidase-Like Activity. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9855-9864.	8.0	89
370	Metal nanoparticles designed PET: Preparation, characterization and biological response. <i>Reactive and Functional Polymers</i> , 2016, 105, 1-8.	4.1	9
371	Pd overlayer on oxygen pre-covered graphene/Ru(0001): Thermal stability. <i>Surface Science</i> , 2016, 648, 271-277.	1.9	0
372	Plasmonic-induced inhibition and enhancement of the electrocatalytic activity of Pd-Au hetero-nanoraspberries for ethanol oxidation. <i>Journal of Power Sources</i> , 2016, 316, 29-36.	7.8	42
373	Incorporating Graphene into Fuel Cell Design. <i>Nanoscience and Technology</i> , 2016, , 293-312.	1.5	0
374	Energy efficiency of platinum-free alkaline direct formate fuel cells. <i>Applied Energy</i> , 2016, 175, 479-487.	10.1	44
375	Chitosan-dithiooxamide-grafted rGO sheets decorated with Au nanoparticles: Synthesis, characterization and properties. <i>European Polymer Journal</i> , 2016, 78, 153-162.	5.4	9
376	Controlled Growth of Palladium Nanoparticles on Graphene Nanoplatelets via Scalable Atmospheric Pressure Atomic Layer Deposition. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8832-8840.	3.1	16
377	First-Principles Study on Nitrobenzene-Doped Graphene as a Metal-Free Electrocatalyst for Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8804-8812.	3.1	42
378	Electrochemical preparation of Pt nanoparticles supported on porous graphene with ionic liquids: Electrocatalyst for both methanol oxidation and H ₂ O ₂ reduction. <i>Electrochimica Acta</i> , 2016, 201, 117-124.	5.2	43
379	Palladium Nanoparticles Supported on Nitrogen and Sulfur Dual-Doped Graphene as Highly Active Electrocatalysts for Formic Acid and Methanol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10858-10865.	8.0	193
380	Size-dependent adhesion energy of shape-selected Pd and Pt nanoparticles. <i>Nanoscale</i> , 2016, 8, 11635-11641.	5.6	18
381	Facile synthesis of PS/RGO@AuNP composite particles as highly active and reusable catalyst for catalytic reduction of p-nitrophenol. <i>Colloid and Polymer Science</i> , 2016, 294, 1165-1172.	2.1	10
382	Immobilization of Ultrafine Metal Nanoparticles to High-Surface-Area Materials and Their Catalytic Applications. <i>Chem</i> , 2016, 1, 220-245.	11.7	381
383	Spontaneous Electroless Deposition of Ultrafine Pd Nanoparticles on Poly(phenylene butadiynylene)s for the Hydroxycarbonylation of Aryl Iodides. <i>ChemistrySelect</i> , 2016, 1, 1832-1836.	1.5	3
384	Water-dispersible Hollow Microporous Organic Network Spheres as Substrate for Electroless Deposition of Ultrafine Pd Nanoparticles with High Catalytic Activity and Recyclability. <i>Chemistry - an Asian Journal</i> , 2016, 11, 3178-3182.	3.3	11
385	Functionalized-Graphene Composites: Fabrication and Applications in Sustainable Energy and Environment. <i>Chemistry of Materials</i> , 2016, 28, 8082-8118.	6.7	179

#	ARTICLE	IF	CITATIONS
386	Active 3D Pd/graphene aerogel catalyst for hydrogen generation from the hydrolysis of ammonia-borane. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 15225-15235.	7.1	60
387	Pd-on-Au Supra-nanostructures Decorated Graphene Oxide: An Advanced Electrocatalyst for Fuel Cell Application. <i>Langmuir</i> , 2016, 32, 8557-8564.	3.5	24
388	Effect of pH on the spontaneous synthesis of palladium nanoparticles on reduced graphene oxide. <i>Applied Surface Science</i> , 2016, 389, 911-915.	6.1	21
389	Monodispersed CuCo Nanoparticles Supported on Diamine-Functionalized Graphene as a Non-noble Metal Catalyst for Hydrolytic Dehydrogenation of Ammonia Borane. <i>ChemNanoMat</i> , 2016, 2, 942-945.	2.8	44
390	Synthesis and characterization of ultrafined palladium nanoparticles decorated on 2D magnetic graphene oxide nanosheets and their application for catalytic reduction of 4-nitrophenol. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3433-3440.	6.7	26
391	A facile one-pot solvothermal synthesis of CoFe ₂ O ₄ /RGO and its excellent catalytic activity on thermal decomposition of ammonium perchlorate. <i>RSC Advances</i> , 2016, 6, 83838-83847.	3.6	63
392	Coupling MOF-based photocatalysis with Pd catalysis over Pd@MIL-100(Fe) for efficient N-alkylation of amines with alcohols under visible light. <i>Journal of Catalysis</i> , 2016, 342, 151-157.	6.2	126
393	Hydrogen storage in carbon nanostructures via spillover. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 19098-19113.	7.1	98
394	Surfactant-Mediated One-Pot Method To Prepare Pd@CeO ₂ Colloidal Assembled Spheres and Their Enhanced Catalytic Performance for CO Oxidation. <i>ACS Omega</i> , 2016, 1, 118-126.	3.5	19
395	Highly active and durable flowerlike Pd/Ni(OH) ₂ catalyst for the electrooxidation of ethanol in alkaline medium. <i>RSC Advances</i> , 2016, 6, 72722-72727.	3.6	28
396	Selective electrochemical detection of dopamine in the presence of uric acid and ascorbic acid based on a composite film modified electrode. <i>RSC Advances</i> , 2016, 6, 66468-66476.	3.6	30
397	Synthesis of Co-Sn intermetallic nanocatalysts toward selective hydrogenation of citral. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12825-12832.	10.3	31
398	Cobalt oxide nanosheets wrapped onto nickel foam for non-enzymatic detection of glucose. <i>Nanotechnology</i> , 2016, 27, 344001.	2.6	33
399	PdCu alloy nanoparticle-decorated copper nanotubes as enhanced electrocatalysts: DFT prediction validated by experiment. <i>Nanotechnology</i> , 2016, 27, 495403.	2.6	16
400	Temperature-driven growth of reduced graphene oxide/copper nanocomposites for glucose sensing. <i>Nanotechnology</i> , 2016, 27, 495603.	2.6	15
401	Microbial synthesis of highly dispersed PdAu alloy for enhanced electrocatalysis. <i>Science Advances</i> , 2016, 2, e1600858.	10.3	85
402	Ultrafast Synthesis of Silver Nanoparticle Decorated Graphene Oxide by a Rotating Packed Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 11622-11630.	3.7	15
403	Ultra-fast self-assembly and stabilization of reactive nanoparticles in reduced graphene oxide films. <i>Nature Communications</i> , 2016, 7, 12332.	12.8	123

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404	Well-dispersed palladium nanoparticles on three-dimensional hollow N-doped graphene frameworks for enhancement of methanol electro-oxidation. <i>Electrochemistry Communications</i> , 2016, 73, 75-79.	4.7	20
405	Functional polyaniline-assisted decoration of polystyrene microspheres with noble metal nanoparticles and their enhanced catalytic properties. <i>New Journal of Chemistry</i> , 2016, 40, 10398-10405.	2.8	18
406	Fabrication of Nitrogen-Doped Mesoporous-Carbon-Coated Palladium Nanoparticles: An Intriguing Electrocatalyst for Methanol and Formic Acid Oxidation. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1588-1596.	3.3	25
407	Elucidation of the function of oxygen moieties on graphene oxide and reduced graphene oxide in the nucleation and growth of silver nanoparticles. <i>RSC Advances</i> , 2016, 6, 60056-60067.	3.6	41
408	Pt nanoparticles embedded on reduced graphite oxide with excellent electrocatalytic properties. <i>Applied Surface Science</i> , 2016, 386, 96-102.	6.1	23
409	Single-Step Electrophoretic Deposition of Non-noble Metal Catalyst Layer with Low Onset Voltage for Ethanol Electro-oxidation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15975-15984.	8.0	29
410	Platinum-Decorated Ultrafine Pd Nanoparticles Monodispersed on Pristine Graphene with Enhanced Electrocatalytic Performance. <i>ChemPlusChem</i> , 2016, 81, 172-175.	2.8	9
411	Preparation of platinum nanoparticles immobilized on ordered mesoporous Co ₃ O ₄ -CeO ₂ composites and their enhanced catalytic activity. <i>RSC Advances</i> , 2016, 6, 67173-67183.	3.6	15
412	Synthesis and characterization of Au-immobilized nanoparticles onto cellulose-ethylenediamine-grafted reduced graphite oxide sheets. <i>Materials Chemistry and Physics</i> , 2016, 171, 303-311.	4.0	7
413	Unprotected and interconnected Ru ⁰ nano-chain networks: advantages of unprotected surfaces in catalysis and electrocatalysis. <i>Chemical Science</i> , 2016, 7, 3188-3205.	7.4	102
414	Small-sized tungsten nitride anchoring into a 3D CNT-rGO framework as a superior bifunctional catalyst for the methanol oxidation and oxygen reduction reactions. <i>Nano Research</i> , 2016, 9, 329-343.	10.4	75
415	Covalent triazine framework-supported palladium as a ligand-free catalyst for the selective double carbonylation of aryl iodides under ambient pressure of CO. <i>Chemical Communications</i> , 2016, 52, 2960-2963.	4.1	60
416	Synthesis of palladium nanoparticles on carbon nanotubes and graphene for the chemoselective hydrogenation of para-chloronitrobenzene. <i>Catalysis Communications</i> , 2016, 75, 55-59.	3.3	22
417	In situ synthesized Au-Ag nanocages on graphene oxide nanosheets: a highly active and recyclable catalyst for the reduction of 4-nitrophenol. <i>New Journal of Chemistry</i> , 2016, 40, 1685-1692.	2.8	37
418	Well dispersed Pt-Pd bimetallic nanoparticles on functionalized graphene as excellent electro-catalyst towards electro-oxidation of methanol. <i>Journal of Electroanalytical Chemistry</i> , 2016, 770, 33-38.	3.8	22
419	Determination of Dopamine in Cerebrospinal Fluid by MALDI-TOF Mass Spectrometry with a Functionalized Graphene Oxide Matrix. <i>Analytical Letters</i> , 2016, 49, 1847-1861.	1.8	7
420	Layer-by-layer assembly of versatile nanoarchitectures with diverse dimensionality: a new perspective for rational construction of multilayer assemblies. <i>Chemical Society Reviews</i> , 2016, 45, 3088-3121.	38.1	294
421	Nickel core-palladium shell nanoparticles grown on nitrogen-doped graphene with enhanced electrocatalytic performance for ethanol oxidation. <i>RSC Advances</i> , 2016, 6, 33231-33239.	3.6	29

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422	Carbon dioxide-expanded ethanol-assisted synthesis of carbon-based metal composites and their catalytic and electrochemical performance in lithium-ion batteries. <i>Chinese Journal of Catalysis</i> , 2016, 37, 218-226.	14.0	6
423	Scalable synthesis of Cu-based ultrathin nanowire networks and their electrocatalytic properties. <i>Nanoscale</i> , 2016, 8, 4927-4932.	5.6	35
424	Facile synthesis of Pd nanostructures with enhanced electrocatalytic performance for ethanol oxidation by a bio-based method. <i>RSC Advances</i> , 2016, 6, 19734-19741.	3.6	8
425	Quantum dots derived from two-dimensional materials and their applications for catalysis and energy. <i>Chemical Society Reviews</i> , 2016, 45, 2239-2262.	38.1	391
426	A highly active Pd@P nanoparticle electrocatalyst for enhanced formic acid oxidation synthesized via stepwise electroless deposition. <i>Chemical Communications</i> , 2016, 52, 3556-3559.	4.1	43
427	Size controllable redispersion of sintered Au nanoparticles by using iodohydrocarbon and its implications. <i>Chemical Science</i> , 2016, 7, 3181-3187.	7.4	46
428	Concave and duck web-like platinum nanopentagons with enhanced electrocatalytic properties for formic acid oxidation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 807-812.	10.3	27
429	Facile and elegant self-organization of Ag nanoparticles and TiO ₂ nanorods on V ₂ O ₅ nanosheets as a superior cathode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4900-4907.	10.3	58
430	Structural changes in graphene oxide thin film by electron-beam irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016, 379, 171-175.	1.4	15
431	The controllable preparation of electrospun carbon fibers supported Pd nanoparticles catalyst and its application in Suzuki and Heck reactions. <i>Chinese Chemical Letters</i> , 2016, 27, 459-463.	9.0	23
432	Synthesis of palladium nanoparticles over graphite oxide and carbon nanotubes by reduction in ethylene glycol and their catalytic performance on the chemoselective hydrogenation of para-chloronitrobenzene. <i>Applied Catalysis A: General</i> , 2016, 513, 89-97.	4.3	24
433	Graphene nanosheet-supported Pd nano-leaves with highly efficient electrocatalytic performance for formic acid oxidation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 488, 1-6.	4.7	17
434	Highly active electron-deficient Pd clusters on N-doped active carbon for aromatic ring hydrogenation. <i>Catalysis Science and Technology</i> , 2016, 6, 1913-1920.	4.1	108
435	Nano Devices and Circuit Techniques for Low-Energy Applications and Energy Harvesting. KAIST Research Series, 2016, , .	1.5	7
436	Graphene and Two-Dimensional Transition Metal Dichalcogenide Materials for Energy-Related Applications. KAIST Research Series, 2016, , 253-291.	1.5	0
437	Preparation of hollow multiple-Ag-nanoclusters-C-shell nanostructures and their catalytic properties. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 13-19.	20.2	31
438	Selective hydrogenation of C-C bond over N-doped reduced graphene oxides supported Pd catalyst. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 607-613.	20.2	152
439	Kinetically controlled synthesis of nanoporous Au and its enhanced electrocatalytic activity for glucose-based biofuel cells. <i>Nanoscale</i> , 2017, 9, 2514-2520.	5.6	22

#	ARTICLE	IF	CITATIONS
440	High crystallinity graphene synthesis from graphene oxide. Carbon, 2017, 114, 750.	10.3	5
441	A sensitive bisphenol A voltammetric sensor relying on AuPd nanoparticles/graphene composites modified glassy carbon electrode. Talanta, 2017, 166, 126-132.	5.5	86
442	Exceptional lithium anodic performance of Pd-doped graphene-based SnO ₂ nanocomposite. Electrochimica Acta, 2017, 225, 322-329.	5.2	33
443	Highly Active PdCu Alloy Nanowire Network Electrocatalyst for Ethanol and Methanol Electrooxidation. ChemElectroChem, 2017, 4, 1081-1087.	3.4	26
444	Electrophoretic deposition of graphene nanosheets: A suitable method for fabrication of silver-graphene counter electrode for dye-sensitized solar cell. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 520, 477-487.	4.7	27
445	Surface Controlled Electrochemical Sensing of Chlorpyrifos in Pinellia Ternate Based on a One Step Synthesis of Palladium-Reduced Graphene Nanocomposites. Journal of the Electrochemical Society, 2017, 164, B48-B53.	2.9	18
446	Low temperature, atmospheric pressure for synthesis of a new carbon Ene-yne and application in Li storage. Nano Energy, 2017, 33, 343-349.	16.0	92
447	Synthesis of well-dispersive 2.0 nm Pd-Pt bimetallic nanoclusters supported on β -cyclodextrin functionalized graphene with excellent electrocatalytic activity. RSC Advances, 2017, 7, 1947-1955.	3.6	16
448	Ultrasensitive Naked-Eye Colorimetric Detection of Hg ²⁺ in Wastewater and Serum Utilizing Mercury-Stimulated Peroxidase Mimetic Activity of Reduced Graphene Oxide-PEI-Pd Nanohybrids. Analytical Chemistry, 2017, 89, 3538-3544.	6.5	176
449	Nanocomposites of sulphur-nitrogen co-doped graphene oxide nanosheets and cobalt mono carboxyphenoxy phthalocyanines for facile electrocatalysis. Journal of Electroanalytical Chemistry, 2017, 791, 36-48.	3.8	14
450	Synthesis of Ultrasmall Platinum Nanoparticles on Polymer Nanoshells for Size-Dependent Catalytic Oxidation Reactions. ACS Applied Materials & Interfaces, 2017, 9, 9710-9717.	8.0	46
451	Observations of copper deposition on functionalized carbon nanotube films. Electrochimica Acta, 2017, 232, 495-504.	5.2	38
452	Ultrafine palladium nanoparticle-bonded to polyethylenimine grafted reduced graphene oxide nanosheets: Highly active and recyclable catalyst for degradation of dyes and pigments. Korean Journal of Chemical Engineering, 2017, 34, 609-618.	2.7	8
453	Carbon supported ultrafine gold phosphorus nanoparticles as highly efficient electrocatalyst for alkaline ethanol oxidation reaction. Electrochimica Acta, 2017, 231, 13-19.	5.2	21
454	Surfactant-free synthesis of NiPd nanoalloy/graphene bifunctional nanocomposite for fuel cell. Composites Part B: Engineering, 2017, 114, 319-327.	12.0	44
455	Amino acid functionalized ZrO ₂ nanoparticles decorated reduced graphene oxide based immunosensor. Journal of Materials Chemistry B, 2017, 5, 2019-2033.	5.8	42
456	Functional hybrid nanostructure materials: Advanced strategies for sensing applications toward volatile organic compounds. Coordination Chemistry Reviews, 2017, 342, 80-105.	18.8	69
457	<i>In Situ</i> High Temperature Synthesis of Single-Component Metallic Nanoparticles. ACS Central Science, 2017, 3, 294-301.	11.3	34

#	ARTICLE	IF	CITATIONS
458	Ultrafine palladium nanoparticles supported on nitrogen-doped carbon microtubes as a high-performance organocatalyst. <i>Carbon</i> , 2017, 119, 326-331.	10.3	82
459	High catalytic efficiency of Pd nanoparticles immobilized on TiO ₂ nanorods-coated ceramic membranes. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 2374-2382.	1.7	9
460	Self-Assembling PDDA on Graphene to Surfactant-Free Synthesize Uniform and Ultra-Small Pd Nanocrystals by Direct CO Reduction for Efficient Catalyst Toward Formic Acid Oxidation. <i>ChemistrySelect</i> , 2017, 2, 3110-3116.	1.5	0
461	In situ hybridization of CoO _x nanoparticles on N-doped graphene through one step mineralization of co-responsive hydrogels. <i>Dalton Transactions</i> , 2017, 46, 6163-6167.	3.3	11
462	Novel Hybrid Catalyst for the Oxidation of Organic Acids: Pd Nanoparticles Supported on MnO ₃ Graphene Nanosheets. <i>ChemElectroChem</i> , 2017, 4, 2336-2344.	3.4	5
463	Graphene Oxide as a Stabilizer for Clean Synthesis of High-Performance Pd-Based Nanotubes Electrocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5191-5199.	6.7	11
464	An effective low Pd-loading catalyst for hydrogen generation from formic acid. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 18375-18382.	7.1	31
465	Ultra-uniform PdBi nanodots with high activity towards formic acid oxidation. <i>Journal of Power Sources</i> , 2017, 356, 27-35.	7.8	152
466	Insights into the catalytic reduction of organic dyes and antibacterial activity of graphene oxide supported mono and bimetallic nanocomposites. <i>New Journal of Chemistry</i> , 2017, 41, 4348-4359.	2.8	13
467	Highly dispersed platinum nanoparticles on graphitic carbon nitride: A highly active and durable electrocatalyst for oxidation of methanol, formic acid and formaldehyde. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9371-9383.	7.1	30
468	Anomalous diffusion of single metal atoms on a graphene oxide support. <i>Chemical Physics Letters</i> , 2017, 683, 370-374.	2.6	25
469	Construction of light-harvesting system for enhanced catalytic performance of Pd nanoframes toward Suzuki coupling reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10150-10153.	10.3	10
470	Palladium supported on reduced graphene oxide as a high-performance catalyst for the dehydrogenation of dodecahydro-N-ethylcarbazole. <i>Carbon</i> , 2017, 122, 9-18.	10.3	65
471	Facile and economical preparation method of nanoporous graphene/silica nanohybrid and evaluation of its Pickering emulsion properties for Chemical Enhanced oil Recovery (C-EOR). <i>Fuel</i> , 2017, 206, 453-466.	6.4	67
472	Well-dispersed Pd-Cu bimetals in TiO ₂ nanofiber matrix with enhanced activity and selectivity for nitrate catalytic reduction. <i>Chemical Engineering Journal</i> , 2017, 326, 182-191.	12.7	58
473	Nitrogen-Doped Carbon Nanotube-Supported Pd Catalyst for Improved Electrocatalytic Performance toward Ethanol Electrooxidation. <i>Nano-Micro Letters</i> , 2017, 9, 28.	27.0	39
474	Ultrasonic-assisted synthesis of N-doped graphene-supported binary PdAu nanoflowers for enhanced electro-oxidation of ethylene glycol and glycerol. <i>Electrochimica Acta</i> , 2017, 245, 227-236.	5.2	115
475	Determination of growth regimes of Pd nanostructures on c-plane sapphire by the control of deposition amount at different annealing temperatures. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15084-15097.	2.8	11

#	ARTICLE	IF	CITATIONS
476	-Glutamic acid assisted eco-friendly one-pot synthesis of sheet-assembled platinum-palladium alloy networks for methanol oxidation and oxygen reduction reactions. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 363-370.	9.4	48
477	Enhancement of the formic acid electrooxidation activity of palladium using graphene/carbon black binary carbon supports. <i>Chinese Journal of Catalysis</i> , 2017, 38, 939-947.	14.0	11
478	Recyclable Ni ₃ S ₄ Nanocatalyst for Hydrogenation of Nitroarenes. <i>ChemistrySelect</i> , 2017, 2, 4753-4758.	1.5	8
479	Tuning the interface of Ni@Ni(OH) ₂ /Pd/rGO catalyst to enhance hydrogen evolution activity and stability. <i>Journal of Power Sources</i> , 2017, 352, 26-33.	7.8	39
480	Palladium-polymer nanocomposite: An anode catalyst for the electrochemical oxidation of methanol. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 23599-23605.	7.1	47
481	Synthesis of Low Pt-Based Quaternary PtPdRuTe Nanotubes with Optimized Incorporation of Pd for Enhanced Electrocatalytic Activity. <i>Journal of the American Chemical Society</i> , 2017, 139, 5890-5895.	13.7	212
482	Enhanced Electrocatalytic Activity of Carbon-Supported Ordered Intermetallic Palladium-Lead (Pd ₃ Pb) Nanoparticles toward Electrooxidation of Formic Acid. <i>Chemistry of Materials</i> , 2017, 29, 2906-2913.	6.7	73
483	In situ synthesis of noble metal nanoparticles on onion-like carbon with enhanced electrochemical and supercapacitor performance. <i>RSC Advances</i> , 2017, 7, 4667-4670.	3.6	12
484	Graphene-Based Nanomaterials for Catalysis. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 3477-3502.	3.7	234
485	Facile Synthesis of Pd@Pt ₃ Co ₄ Core-Shell Octahedra with a Clean Surface and Thus Enhanced Activity toward Oxygen Reduction. <i>ChemCatChem</i> , 2017, 9, 414-419.	3.7	18
486	Palladium nanoparticles deposited on a graphene-benzimidazole support as an efficient and recyclable catalyst for aqueous-phase Suzuki-Miyaura coupling reaction. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3667.	3.5	23
487	Yolk-Shell Fe ₃ O ₄ -Polyaniline Decorated Pd-Ni Nanoparticles with Enhanced Performance for Direct Formic Acid Fuel Cell. <i>Nano</i> , 2017, 12, 1750016.	1.0	3
488	Efficient Pt electrocatalysts supported onto flavin mononucleotide-exfoliated pristine graphene for the methanol oxidation reaction. <i>Electrochimica Acta</i> , 2017, 231, 386-395.	5.2	21
489	Synthesis of Cobalt Phosphide Nanoparticles Supported on Pristine Graphene by Dynamically Self-Assembled Graphene Quantum Dots for Hydrogen Evolution. <i>ChemSusChem</i> , 2017, 10, 1014-1021.	6.8	42
490	Ag@C core-shell structure composites-decorated Ag nanoparticles: zero current potentiometry for detection of hydrogen peroxide. <i>Chemical Papers</i> , 2017, 71, 535-542.	2.2	6
491	Simultaneous Electrodeposition of Reduced Graphene Oxide/Ag Nanoparticles as a Sensitive Layer for Voltammetric Determination of Tinidazole. <i>Nano</i> , 2017, 12, 1750067.	1.0	4
492	Effect of Charge on the Catalytic Activity of CO Oxidation by zeolite Supported Single Site Palladium: A Density Functional Study. <i>ChemistrySelect</i> , 2017, 2, 8847-8855.	1.5	4
493	Redox synthesis and high catalytic efficiency of transition-metal nanoparticle-graphene oxide nanocomposites. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21947-21954.	10.3	20

#	ARTICLE	IF	CITATIONS
494	Controllable decoration of palladium sub-nanoclusters on reduced graphene oxide with superior catalytic performance in selective oxidation of alcohols. <i>Catalysis Science and Technology</i> , 2017, 7, 5650-5661.	4.1	15
495	Topological Transformations of Core-Shell Precursors to Hierarchically Hollow Assemblages of Copper Silicate Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37210-37218.	8.0	27
496	Graphene nanomaterials supported palladium nanoparticles as nanocatalysts for electro-oxidation of methanol. <i>Journal of Electroanalytical Chemistry</i> , 2017, 805, 47-52.	3.8	11
497	Rapid Adsorption Enables Interface Engineering of PdMnCo Alloy/Nitrogen-Doped Carbon as Highly Efficient Electrocatalysts for Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38419-38427.	8.0	34
498	Metallic nanoislands on graphene: a metamaterial for chemical, mechanical, optical, and biological applications. <i>Nanoscale Horizons</i> , 2017, 2, 311-318.	8.0	24
499	The Synthesis and the Catalytic Properties of Graphene-Based Composite Materials. , 2017, , 3-26.		0
500	Tuning Surface Structure of 3D Nanoporous Gold by Surfactant-Free Electrochemical Potential Cycling. <i>Advanced Materials</i> , 2017, 29, 1703601.	21.0	54
501	Oleylamine-stabilized Cu _{0.9} Ni _{0.1} nanoparticles as efficient catalyst for ammonia borane dehydrogenation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 25251-25257.	7.1	22
502	Green and facile synthesis of fibrous Ag/cotton composites and their catalytic properties for 4-nitrophenol reduction. <i>Applied Surface Science</i> , 2017, 426, 160-168.	6.1	34
503	Ru-Ferrite-Decorated Graphene (RuFG): A Sustainable and Efficient Catalyst for Conversion of Aromatic Aldehydes and Nitriles to Primary Amides in Aqueous Medium. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7604-7612.	6.7	17
504	A graphyne-like porous carbon-rich network synthesized via alkyne metathesis. <i>Nanoscale</i> , 2017, 9, 11939-11943.	5.6	38
505	In Situ Growth of Clean Pd Nanoparticles on Polystyrene Microspheres Assisted by Functional Reduced Graphene Oxide and Their Excellent Catalytic Properties. <i>Langmuir</i> , 2017, 33, 8157-8164.	3.5	19
506	An electrochemical sensor for dopamine based on polydopamine modified reduced graphene oxide anchored with tin dioxide and gold nanoparticles. <i>Analytical Methods</i> , 2017, 9, 5322-5332.	2.7	29
507	Quasi-zero-dimensional cobalt-doped CeO ₂ dots on Pd catalysts for alcohol electro-oxidation with enhanced poisoning-tolerance. <i>Nanoscale</i> , 2017, 9, 12565-12572.	5.6	38
508	Highly Active Graphene Oxide-Supported Cobalt Single-Ion Catalyst for Chemiluminescence Reaction. <i>Analytical Chemistry</i> , 2017, 89, 13518-13523.	6.5	51
509	Graphdiyne as Electrode Material: Tuning Electronic State and Surface Chemistry for Improved Electrode Reactivity. <i>Analytical Chemistry</i> , 2017, 89, 13008-13015.	6.5	67
510	The physics and chemistry of graphene-on-surfaces. <i>Chemical Society Reviews</i> , 2017, 46, 4417-4449.	38.1	309
511	Black phosphorus: a two-dimensional reductant for in situ nanofabrication. <i>Npj 2D Materials and Applications</i> , 2017, 1, .	7.9	63

#	ARTICLE	IF	CITATIONS
512	Self-assembled three-dimensional Pd/MoS ₂ /reduced graphene oxide nanocatalyst: A case for homogeneous leaching mechanism. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 983-994.	9.4	18
513	MoS ₂ -nanosheet/graphene-oxide composite hole injection layer in organic light-emitting diodes. <i>Electronic Materials Letters</i> , 2017, 13, 344-350.	2.2	39
514	Solid ion transition route to 3D Sâ€“N-codoped hollow carbon nanosphere/graphene aerogel as a metal-free handheld nanocatalyst for organic reactions. <i>Nano Research</i> , 2017, 10, 3486-3495.	10.4	14
515	Amorphous Co ₃ O ₄ -Decorated Pd as an Efficient Electrocatalyst for Methanol Oxidation. <i>Nano</i> , 2017, 12, 1750078.	1.0	8
516	Optical fibre based non-enzymatic glucose sensing over Cu ²⁺ -doped polyaniline hybrid matrix. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 522-528.	7.8	25
517	Nanomolar simultaneous determination of tryptophan and melatonin by a new ionic liquid carbon paste electrode modified with SnO ₂ -Co ₃ O ₄ @rGO nanocomposite. <i>Materials Science and Engineering C</i> , 2017, 71, 386-394.	7.3	74
518	Preparation of Co ₃ O ₄ /crumpled graphene microsphere as peroxidase mimetic for colorimetric assay of ascorbic acid. <i>Biosensors and Bioelectronics</i> , 2017, 89, 846-852.	10.1	117
519	Brightly near-infrared to blue emission tunable silver-carbon dot nanohybrid for sensing of ascorbic acid and construction of logic gate. <i>Talanta</i> , 2017, 162, 135-142.	5.5	44
520	A facile and green strategy for preparing newly-designed 3D graphene/gold film and its application in highly efficient electrochemical mercury assay. <i>Biosensors and Bioelectronics</i> , 2017, 89, 871-879.	10.1	56
521	Efficient magnetic recoverable acid-functionalized-carbon catalysts for starch valorization to multiple bio-chemicals. <i>Catalysis Today</i> , 2017, 279, 45-55.	4.4	14
522	Wet chemical method for synthesizing 3D graphene/gold nanocomposite: catalytic reduction of methylene blue. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 88, 201-205.	2.7	12
523	A novel method to decorate Au clusters onto graphene via a mild co-reduction process for ultrahigh catalytic activity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 230-239.	10.3	65
524	Gold nanoworms immobilized graphene oxide polymer brush nanohybrid for catalytic degradation studies of organic dyes. <i>Applied Surface Science</i> , 2017, 396, 1427-1434.	6.1	50
525	Photocatalytic degradation of Brilliant Green dye using CdSe quantum dots hybridized with graphene oxide under sunlight irradiation. <i>Chinese Journal of Catalysis</i> , 2017, 38, 2150-2159.	14.0	75
526	Immobilized Palladium Nanoparticles on Zirconium Carboxy-Aminophosphonates Nanosheets as an Efficient Recoverable Heterogeneous Catalyst for Suzukiâ€“Miyaura and Heck Coupling. <i>Catalysts</i> , 2017, 7, 186.	3.5	31
527	A Novel Electrochemical Sensor Based on SH-Î²-cyclodextrin Functionalized Gold Nanoparticles/Reduced-Graphene Oxide Nanohybrids for Ultrasensitive Electrochemical Sensing of Acetaminophen and Ofloxacin. <i>International Journal of Electrochemical Science</i> , 2017, 12, 5157-5173.	1.3	28
528	Characteristics tuning of graphene-oxide-based-graphene to various end-uses. <i>Energy Storage Materials</i> , 2018, 14, 8-21.	18.0	43
529	Catalytically Active Bacterial Nanocelluloseâ€“Based Ultrafiltration Membrane. <i>Small</i> , 2018, 14, e1704006.	10.0	59

#	ARTICLE	IF	CITATIONS
530	Highly-effective palladium nanoclusters supported on <i>para</i> -sulfonated calix[8]arene-functionalized carbon nanohorns for ethylene glycol and glycerol oxidation reactions. <i>New Journal of Chemistry</i> , 2018, 42, 4631-4638.	2.8	10
531	Ultrasensitive detection of diclofenac based on electrochemiluminescent immunosensor with multiple signal amplification strategy of palladium attached graphene oxide as bioprobes and ceria doped zinc oxide as substrates. <i>Sensors and Actuators B: Chemical</i> , 2018, 268, 411-420.	7.8	21
532	Nitrogen-doped carbon nanotubes as an excellent substrate for electroless deposition of Pd nanoparticles with a high efficiency toward the hydrogen evolution reaction. <i>Electrochemistry Communications</i> , 2018, 90, 91-95.	4.7	18
533	Highly Dispersed Surfactant-Free Amorphous NiCoB Nanoparticles and Their Remarkable Catalytic Activity for Hydrogen Generation from Ammonia Borane Dehydrogenation. <i>Catalysis Letters</i> , 2018, 148, 1739-1749.	2.6	9
534	Recent developments of metallic nanoparticle-graphene nanocatalysts. <i>Progress in Materials Science</i> , 2018, 94, 306-383.	32.8	102
535	Electrochemically reduced graphene oxide/gold nanoparticles composite modified screen-printed carbon electrode for effective electrocatalytic analysis of nitrite in foods. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 125-136.	7.8	99
536	Identification of a new substrate effect that enhances the electrocatalytic activity of dendritic tin in CO ₂ reduction. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 5936-5941.	2.8	20
537	Surface-clean low-doped PdB/C as superior electrocatalysts toward ethanol oxidation in alkaline media. <i>Journal of Energy Chemistry</i> , 2018, 27, 389-394.	12.9	19
538	Cubic Mn ₂ O ₃ nanoparticles on carbon as bifunctional electrocatalyst for oxygen reduction and oxygen evolution reactions. <i>Molecular Catalysis</i> , 2018, 451, 153-160.	2.0	61
539	Naked Au nanoparticles monodispersed onto multifunctional cellulose nanocrystal-graphene hybrid sheets: towards efficient and sustainable heterogeneous catalysts. <i>New Journal of Chemistry</i> , 2018, 42, 2197-2203.	2.8	17
540	Study of Optical and Magnetic Properties of Graphene-Wrapped ZnO Nanoparticle Hybrids. <i>Langmuir</i> , 2018, 34, 1497-1505.	3.5	14
541	Carbon-supported small Rh nanoparticles prepared with sodium citrate: Toward high catalytic activity for hydrogen evolution from ammonia borane hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 2718-2725.	7.1	65
542	Pd Nanoparticles Immobilized on Graphene Oxide/Silica Nanocomposite: Efficient and Recyclable Catalysts for Cross-Coupling Reactions. <i>ChemistrySelect</i> , 2018, 3, 535-543.	1.5	20
543	Construction of Cu-Ce/graphene catalysts via a one-step hydrothermal method and their excellent CO catalytic oxidation performance. <i>RSC Advances</i> , 2018, 8, 1583-1592.	3.6	29
544	Three-dimensional reduced graphene oxide-Mn ₃ O ₄ nanosheet hybrid decorated with palladium nanoparticles for highly efficient hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 3369-3377.	7.1	18
545	Pd@MIL-100(Fe) composite nanoparticles as efficient catalyst for reduction of 2/3/4-nitrophenol: Synergistic effect between Pd and MIL-100(Fe). <i>Microporous and Mesoporous Materials</i> , 2018, 255, 1-6.	4.4	66
546	One-pot fabrication of N-doped graphene supported dandelion-like PtRu nanocrystals as efficient and robust electrocatalysts towards formic acid oxidation. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 96-104.	9.4	20
547	A simple, quick and novel protocol for biaryl synthesis using LiCl-promoted in situ generated Pd nanoparticles. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4009.	3.5	3

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548	Preparation of mesoporous palladium nanoclusters supported over hematite (γ -Fe ₂ O ₃) for selective catalytic hydrogenation of α,β -unsaturated aldehydes. <i>Microporous and Mesoporous Materials</i> , 2018, 257, 110-117.	4.4	19
549	Confined-interface-directed synthesis of Palladium single-atom catalysts on graphene/amorphous carbon. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 291-297.	20.2	159
550	Electrostatic adsorption-microwave synthesis of palladium nanoparticles on graphene for improved cross-coupling activity. <i>Applied Catalysis A: General</i> , 2018, 550, 168-175.	4.3	25
551	Electrocatalytic behavior of a nanocomposite of Ni/Pd supported by carbonized PVA nanofibers towards formic acid, ethanol and urea oxidation: A physicochemical and electro-analysis study. <i>Applied Surface Science</i> , 2018, 435, 122-129.	6.1	69
552	One-step stabilizer-free synthesis of porous bimetallic PdCu nanofinger supported on graphene for highly efficient methanol electro-oxidation. <i>Electrochimica Acta</i> , 2018, 260, 47-54.	5.2	25
553	Current Progress of Nanomaterials in Molecularly Imprinted Electrochemical Sensing. <i>Critical Reviews in Analytical Chemistry</i> , 2018, 48, 15-32.	3.5	78
554	Facile and feasible conductometric immunoanalytical assay for alpha-fetoprotein using platinum-functionalized graphitic carbon nitride nanosheets. <i>Analytical Methods</i> , 2018, 10, 4886-4893.	2.7	7
555	Plasmonic-Enhanced Organic Light-Emitting Diodes Based on a Graphene Oxide/Au Nanoparticles Composite Hole Injection Layer. <i>Frontiers in Materials</i> , 2018, 5, .	2.4	13
556	Structural Engineering of Nanoparticle Catalysts for Electrochemical Oxidation of Formic Acid. , 2018, , 863-880.		1
557	Highly Sensitive Nonenzymatic Glucose Sensor Based on Reduced Graphene Oxide/Ultrasmall Pt Nanowire Nanocomposites. <i>International Journal of Electrochemical Science</i> , 2018, 13, 4817-4826.	1.3	18
558	Palladium nanoparticles from surfactant/fast-reduction combination one-pot synthesis for the liquid fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 19029-19037.	7.1	6
559	Aqueous-phase synthesis of Pd/TiO ₂ /Fe ₃ O ₄ hybrid nanostructures and their enhanced catalytic properties. <i>Chemical Physics Letters</i> , 2018, 712, 13-19.	2.6	9
560	The surface reactivity of iron oxide nanoparticles as a potential hazard for aquatic environments: A study on <i>Daphnia magna</i> adults and embryos. <i>Scientific Reports</i> , 2018, 8, 13017.	3.3	29
561	Dynamics of GeSbTe phase-change nanoparticles deposited on graphene. <i>Nanotechnology</i> , 2018, 29, 505706.	2.6	8
562	Atomic and electronic structure of graphene oxide/Cu interface. <i>Thin Solid Films</i> , 2018, 665, 99-108.	1.8	10
563	Polyaniline/palladium nanohybrids for moisture and hydrogen detection. <i>Chemistry Central Journal</i> , 2018, 12, 93.	2.6	12
564	Gold α -graphene oxide nanocomposites for enzyme-less glucose monitoring. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 065002.	1.2	9
565	Metal Nanoparticle Foundry with Redox Responsive Hydrogels. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800223.	2.2	7

#	ARTICLE	IF	CITATIONS
566	Ex-situ decoration of graphene oxide with palladium nanoparticles for the highly sensitive and selective electrochemical determination of chloramphenicol in food and biological samples. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 89, 26-38.	5.3	44
567	Ionic-exchange immobilization of ultra-low loading palladium on a rGO electro-catalyst for high activity formic acid oxidation. <i>RSC Advances</i> , 2018, 8, 18619-18625.	3.6	3
568	Synthesis of zero-valent iron nanoparticles <i>via</i> laser ablation in a formate ionic liquid under atmospheric conditions. <i>Chemical Communications</i> , 2018, 54, 7834-7837.	4.1	18
569	Hydrogen-producing hyperthermophilic bacteria synthesized size-controllable fine gold nanoparticles with excellence for eradicating biofilm and antibacterial applications. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4602-4609.	5.8	41
570	Robust Removal of Ligands from Noble Metal Nanoparticles by Electrochemical Strategies. <i>ACS Catalysis</i> , 2018, 8, 8484-8492.	11.2	52
571	Direct growth of ternary copper nickel cobalt oxide nanowires as binder-free electrode on carbon cloth for nonenzymatic glucose sensing. <i>Microchemical Journal</i> , 2018, 142, 343-351.	4.5	41
572	Vitamin B ₁₂ supported on graphene oxide: As a bio-based catalyst for selective aerobic oxidation of alcohols. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4510.	3.5	9
573	Core-Shell-Structured Low-Platinum Electrocatalysts for Fuel Cell Applications. <i>Electrochemical Energy Reviews</i> , 2018, 1, 324-387.	25.5	72
574	Bioinspired gold nanoparticles decorated reduced graphene oxide nanocomposite using <i>Syzygium cumini</i> seed extract: Evaluation of its biological applications. <i>Materials Science and Engineering C</i> , 2018, 93, 191-205.	7.3	59
575	Preparation of magnetically recoverable Fe ₃ O ₄ -graphene oxide catalyst by green method and its application for reduction of nitropyrimidine in aqueous medium. <i>Research on Chemical Intermediates</i> , 2018, 44, 6877-6893.	2.7	8
576	Facile preparation of ultra-low Pt loading graphene-immobilized electrode for methanol oxidation reaction. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16005-16014.	7.1	12
577	Water Vapor Electrolysis with Proton-Conducting Graphene Oxide Nanosheets. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11753-11758.	6.7	21
578	Lewis Acidic Ionic Liquid Immobilized on Graphene Oxide: Synthesis, Characterization, and Application in the Ultrasound-Assisted Condensation Reactions. <i>ChemistrySelect</i> , 2018, 3, 8229-8237.	1.5	19
579	¹³ Ir Phase Stabilized at Room Temperature by Thermally Processed Graphene Oxide. <i>Journal of the American Chemical Society</i> , 2018, 140, 9051-9055.	13.7	24
580	Synergetic catalytic effect of rGO, Pd, Fe ₃ O ₄ and PPy as a magnetically separable and recyclable nanocomposite for coupling reactions in green media. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4439.	3.5	5
581	One-pot synthesis of PdM/RGO (M=Co, Ni, or Cu) catalysts under the existence of PEG for electro-oxidation of methanol. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	12
582	The synergetic effect of h-BN shells and subsurface B in CoB _x @h-BN nanocatalysts for enhanced oxygen evolution reactions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10644-10648.	10.3	28
583	Three-dimensional amine-terminated ionic liquid functionalized graphene/Pd composite aerogel as highly efficient and recyclable catalyst for the Suzuki cross-coupling reactions. <i>Carbon</i> , 2018, 136, 150-159.	10.3	51

#	ARTICLE	IF	CITATIONS
584	Supported palladium nanoparticles as highly efficient catalysts for radical production: Support-dependent synergistic effects. <i>Chemosphere</i> , 2018, 207, 27-32.	8.2	9
585	Self-assembly of highly conductive self-n-doped fullerene ammonium halides and their application in the <i>in situ</i> solution-processable fabrication of working electrodes for alcohol electrooxidation. <i>RSC Advances</i> , 2018, 8, 9503-9511.	3.6	2
586	FePt nanoparticles-decorated graphene oxide nanosheets as enhanced peroxidase mimics for sensitive response to H ₂ O ₂ . <i>Materials Science and Engineering C</i> , 2018, 90, 610-620.	7.3	93
587	Enhanced indirect atomic H [*] reduction at a hybrid Pd/graphene cathode for electrochemical dechlorination under low negative potentials. <i>Environmental Science: Nano</i> , 2018, 5, 2282-2292.	4.3	57
588	Morphology led high dispersion of Pt icosahedral nanocrystals on carbon nanotubes for enhanced electro-catalytic activity and stability. <i>Chemical Communications</i> , 2018, 54, 10855-10858.	4.1	6
589	One-step synthesis of 3D reduced graphene oxide supported Pd catalyst with high activity and recovery in the hydrogenation of nitrobenzene. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018, 125, 595-603.	1.7	5
590	3D-2D heterostructure of PdRu/NiZn oxyphosphides with improved durability for electrocatalytic methanol and ethanol oxidation. <i>Nanoscale</i> , 2018, 10, 12605-12611.	5.6	28
591	Graphyne-oxide supported Pd catalyst with ten times higher nitrobenzenes reduction activity than Pd/C. <i>Research on Chemical Intermediates</i> , 2018, 44, 6327-6337.	2.7	4
592	Sonochemical synthesis of high-performance Pd@CuNWs/MWCNTs-CH electrocatalyst by galvanic replacement toward ethanol oxidation in alkaline media. <i>Ultrasonics Sonochemistry</i> , 2019, 51, 478-486.	8.2	40
593	One-pot hydrothermal synthesis of reduced graphene oxide/zinc ferrite nanohybrids and its catalytic activity on the thermal decomposition of ammonium perchlorate. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 133-140.	5.2	44
594	Graphdiyne-Promoted Highly Efficient Photocatalytic Activity of Graphdiyne/Silver Phosphate Pickering Emulsion Under Visible-Light Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2684-2691.	8.0	64
595	Voltammetric measurements of neurotransmitter-acetylcholine through metallic nanoparticles embedded 2-D material. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 415-422.	7.5	15
596	Preserving Porosity of Mesoporous Metal-Organic Frameworks through the Introduction of Polymer Guests. <i>Journal of the American Chemical Society</i> , 2019, 141, 12397-12405.	13.7	68
597	Highly synergistic effect of bifunctional Ru-rGO catalyst for enhanced hydrogenative-reductive benzylation of N-heteroaromatics. <i>Journal of Catalysis</i> , 2019, 376, 77-86.	6.2	12
598	Facile synthesis of Pd ₃ Y alloy nanoparticles for electrocatalysis of the oxygen reduction reaction. <i>Electrochimica Acta</i> , 2019, 320, 134563.	5.2	23
599	Highly efficient polymer-stabilized palladium heterogeneous catalyst: Synthesis, characterization and application for Suzuki-Miyaura and Mizoroki-Heck coupling reactions. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5121.	3.5	16
600	In situ biogenic synthesis of Pd nanoparticles over reduced graphene oxide by using a plant extract (<i>Thymra spicata</i>) and its catalytic evaluation towards cyanation of aryl halides. <i>Materials Science and Engineering C</i> , 2019, 104, 109919.	7.3	104
601	Highly Active and Durable Ultrasmall Pd Nanocatalyst Encapsulated in Ultrathin Silica Layers by Selective Deposition for Formic Acid Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43130-43137.	8.0	18

#	ARTICLE	IF	CITATIONS
602	Palladium/Copper Alloy Hollow Nanocubes Supported on Sulfur-doped Graphene as Highly Efficient Catalyst for Ethylene Glycol Oxidation. <i>ChemistrySelect</i> , 2019, 4, 9716-9721.	1.5	2
603	Ethanol electro-oxidation in alkaline media on Pd/electrodeposited reduced graphene oxide nanocomposite modified nickel foam electrode. <i>Solid State Sciences</i> , 2019, 98, 106029.	3.2	22
604	Room-Temperature Sustainable Synthesis of Selected Platinum Group Metal (PGM = Ir, Rh, and Ru) Nanocatalysts Well-Dispersed on Porous Carbon for Efficient Hydrogen Evolution and Oxidation. <i>Small</i> , 2019, 15, e1903057.	10.0	93
605	Spontaneous Growth of 3D Silver Mesoflowers on Poly(4-vinylpyridine) Brushes-Grafted Graphene Oxide Films and Facile Creation of Nanoporosities over their Surface. <i>Chemistry - A European Journal</i> , 2019, 25, 16377-16381.	3.3	7
606	Palladium Nanoparticles Immobilized on Schiff Base-Functionalized Graphene-Oxide: Application in Carbon-Carbon Cross-Coupling Reactions. <i>ChemistrySelect</i> , 2019, 4, 10828-10837.	1.5	8
607	phytosynthesis of zinc oxide nanoparticles and its antibacterial, anti-quorum sensing, antimotility, and antioxidant capacities against multidrug resistant bacteria. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 72, 457-473.	5.8	55
608	Electrochemical Performance of the Pd/C Catalyst Synthesized by Polyol Process. <i>International Journal of Electrochemical Science</i> , 2019, , 7871-7883.	1.3	2
609	Spontaneous implantation of gold nanoparticles on graphene oxide for salivary SERS sensing. <i>Analytical Methods</i> , 2019, 11, 5089-5097.	2.7	20
610	Eco-Friendly, Direct Deposition of Metal Nanoparticles on Graphite for Electrochemical Energy Conversion and Storage. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36525-36534.	8.0	23
611	Mono and dual hetero-structured M@poly-1,2 diaminoanthraquinone (M = Pt, Pd and Pt-Pd) catalysts for the electrooxidation of small organic fuels in alkaline medium. <i>RSC Advances</i> , 2019, 9, 1849-1858.	3.6	7
612	Functionalized graphene oxide anchored to Ni complex as an effective recyclable heterogeneous catalyst for Sonogashira coupling reactions. <i>Journal of Organometallic Chemistry</i> , 2019, 885, 65-72.	1.8	25
613	Facile and green synthesis of palladium nanoparticles loaded into cyclodextrin nanofibers and their catalytic application in nitroarene hydrogenation. <i>New Journal of Chemistry</i> , 2019, 43, 3146-3152.	2.8	29
614	Optimized Synthesis of Nitrogen and Phosphorus Dual-Doped Coal-Based Carbon Fiber Supported Pd Catalyst with Enhanced Activities for Formic Acid Electrooxidation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6431-6441.	8.0	32
615	Fabrication of an amyloid fibril-palladium nanocomposite: a sustainable catalyst for C-H activation and the electrooxidation of ethanol. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4486-4493.	10.3	28
616	MOF-derived Co ₃ O ₄ thin film decorated BiVO ₄ for enhancement of photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2019, 491, 497-504.	6.1	77
617	Nanomaterials Properties of Environmental Interest and How to Assess Them. , 2019, , 45-105.		2
618	Bi(OH) ₃ /PdBi Composite Nanochains as Highly Active and Durable Electrocatalysts for Ethanol Oxidation. <i>Nano Letters</i> , 2019, 19, 4752-4759.	9.1	99
619	Synthesis and Characterization of 2D-Graphene Oxide-Metal Hybrid Systems with Increased Solubility. <i>MRS Advances</i> , 2019, 4, 2119-2126.	0.9	0

#	ARTICLE	IF	CITATIONS
620	Solvent Engineering of Highly Conductive and Porous Fullerene Ammonium Iodide for Immobilizing Pd Nanoparticles with Enhanced Electrocatalytic Activity Toward Ethanol Oxidation. <i>Electrocatalysis</i> , 2019, 10, 524-531.	3.0	6
621	A graphdiyne-based carbon material for electroless deposition and stabilization of sub-nanometric Pd catalysts with extremely high catalytic activity. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13142-13148.	10.3	34
622	One-step fabrication of highly dispersed Ag nanoparticles decorated N-doped reduced graphene oxide heterogeneous nanostructure for the catalytic reduction of 4-nitrophenol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 574, 69-77.	4.7	18
623	Emerging Trends in the Syntheses of Heterocycles Using Graphene-based Carbocatalysts: An Update. <i>Topics in Current Chemistry</i> , 2019, 377, 13.	5.8	12
624	Prospects and challenges of graphene based fuel cells. <i>Journal of Energy Chemistry</i> , 2019, 39, 217-234.	12.9	63
625	Graphene Oxide: A Metal-Free Carbocatalyst for the Synthesis of Diverse Amides under Solvent-Free Conditions. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2107-2116.	4.3	26
626	Synthesis of novel and room temperature-operable palladium complexes on graphene oxide: An efficient recyclable catalyst for Suzuki-Miyaura coupling reactions. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 75, 253-261.	5.8	16
627	Facile Synthesis of Pd Nanocubes with Assistant of Iodide and Investigation of Their Electrocatalytic Performances Towards Formic Acid Oxidation. <i>Nanomaterials</i> , 2019, 9, 375.	4.1	11
628	Electrochemical Detection of H_2O_2 Using Copper Oxide-Reduced Graphene Oxide Heterostructure. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 5295-5302.	0.9	13
629	Holey Graphene Metal Nanoparticle Composites via Crystalline Polymer Templated Etching. <i>Nano Letters</i> , 2019, 19, 2824-2831.	9.1	14
630	One-step preparation of graphitic carbon nitride/Polyaniline/Palladium nanoparticles based nanohybrid composite modified electrode for efficient methanol electro-oxidation. <i>Fuel</i> , 2019, 251, 91-97.	6.4	83
631	Fe,N-doped graphene prepared by NH_3 plasma with a high performance for oxygen reduction reaction. <i>Catalysis Today</i> , 2019, 337, 97-101.	4.4	21
632	Effect of Pretreatment on Magnetic Nanoparticle Growth on Graphene Surface and Magnetic Performance in Electroless Plating. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-7.	2.7	1
633	A new strategy to design a graphene oxide supported palladium complex as a new heterogeneous nanocatalyst and application in carbon-carbon and carbon-heteroatom cross-coupling reactions. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4842.	3.5	26
634	A simple and clean method for the synthesis of Pd/G catalyst for ethanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 6544-6550.	7.1	11
635	Metal and Metal Oxide-Based Nanomaterials for Electrochemical Applications. <i>Environmental Chemistry for A Sustainable World</i> , 2019, , 499-530.	0.5	0
636	A three-stage fixed-bed electrochemical reactor for biologically treated landfill leachate treatment. <i>Chemical Engineering Journal</i> , 2019, 376, 121026.	12.7	31
637	An effective amino acid-assisted growth of ultrafine palladium nanocatalysts toward superior synergistic catalysis for hydrogen generation from formic acid. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 975-981.	6.0	15

#	ARTICLE	IF	CITATIONS
638	Catalytic dehydrogenation of formic acid over palladium nanoparticles immobilized on fibrous mesoporous silica KCC-1. <i>Chinese Journal of Catalysis</i> , 2019, 40, 1704-1712.	14.0	30
639	Optical and Thermal Properties of Laser-Ablated Platinum Nanoparticles Graphene Oxide Composite. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6153.	4.1	13
640	Simultaneous detection of acetaminophen and 4-aminophenol with an electrochemical sensor based on silver-palladium bimetal nanoparticles and reduced graphene oxide. <i>RSC Advances</i> , 2019, 9, 31440-31446.	3.6	26
641	Recent Progress in Graphene-Based Noble-Metal Nanocomposites for Electrocatalytic Applications. <i>Advanced Materials</i> , 2019, 31, e1800696.	21.0	219
642	A direct "touch" approach for gold nanoflowers decoration on graphene/ionic liquid composite modified electrode with good properties for sensing bisphenol A. <i>Talanta</i> , 2019, 191, 400-408.	5.5	21
643	Facile synthesis of trimetallic PtAuCu alloy nanowires as High-Performance electrocatalysts for methanol oxidation reaction. <i>Journal of Alloys and Compounds</i> , 2019, 780, 504-511.	5.5	43
644	Graphene/pyrrolic-structured nitrogen-doped CNT nanocomposite supports for Pd-catalysed Heck coupling and chemoselective hydrogenation of nitroarenes. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	6
645	3D graphene/AgBr/Ag cascade aerogel for efficient photocatalytic disinfection. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 343-350.	20.2	87
646	Palladium-cobalt nanodots anchored on graphene: In-situ synthesis, and application as an anode catalyst for direct formic acid fuel cells. <i>Applied Surface Science</i> , 2019, 469, 305-311.	6.1	63
647	A SILAR method for the fabrication of layer-by-layer assembled Cu ₂ O-reduced graphene oxide composite for non-enzymatic detection of hydrogen peroxide. <i>Materials Research Express</i> , 2019, 6, 025045.	1.6	4
648	Plasmon-Enhanced Electrocatalytic Properties of Rationally Designed Hybrid Nanostructures at a Catalytic Interface. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801144.	3.7	24
649	Black Phosphorus-Graphene Heterostructure-Supported Pd Nanoparticles with Superior Activity and Stability for Ethanol Electro-oxidation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5136-5145.	8.0	105
650	Ultrafine Pd nanoparticles supported on zeolite-templated mesocellular graphene network via framework aluminum mediation: An advanced oxygen reduction electrocatalyst. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 957-964.	20.2	26
651	Influence of controlled Pd nanoparticles decorated TiO ₂ nanowire arrays for efficient photoelectrochemical water splitting. <i>Journal of Alloys and Compounds</i> , 2019, 785, 391-397.	5.5	19
652	Preparation of NiCo ₂ O ₄ and NiCo ₂ S ₄ micro-ions for electrochemical sensing of glucose. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	8
653	Facile growth of ultra-small Pd nanoparticles on zeolite-templated mesocellular graphene foam for enhanced alcohol electrooxidation. <i>Nano Research</i> , 2019, 12, 351-356.	10.4	24
654	A non-enzymatic voltammetric xanthine sensor based on the use of platinum nanoparticles loaded with a metal-organic framework of type MIL-101(Cr). Application to simultaneous detection of dopamine, uric acid, xanthine and hypoxanthine. <i>Mikrochimica Acta</i> , 2019, 186, 9.	5.0	67
655	Graphene-Based Metal Particles. <i>Interface Science and Technology</i> , 2019, , 153-202.	3.3	2

#	ARTICLE	IF	CITATIONS
656	Synthesis of ZnFe ₂ O ₄ /ZnO heterostructures decorated three-dimensional graphene foam as peroxidase mimetics for colorimetric assay of hydroquinone. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 130-137.	7.8	45
657	One-Pot Synthesis of Au/Pd Core/Shell Nanoparticles Supported on Reduced Graphene Oxide with Enhanced Dehydrogenation Performance for Dodecahydro- <i>N</i> -ethylcarbazole. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1760-1768.	6.7	50
658	MOF-derived binary mixed carbon/metal oxide porous materials for constructing simultaneous determination of hydroquinone and catechol sensor. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 81-89.	2.5	47
659	A Novel Graphdiyne-Based Catalyst for Effective Hydrogenation Reaction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2563-2570.	8.0	42
660	A sensitive sensing platform for acetaminophen based on palladium and multi-walled carbon nanotube composites and electrochemical detection mechanism. <i>Materials Chemistry and Physics</i> , 2020, 239, 121977.	4.0	27
661	Graphene oxide selenium nanorod composite as a stable electrode material for energy storage devices. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 1243-1255.	3.1	19
662	Spontaneous formation of core-shell silver-copper oxide by carbon dot-mediated reduction for enhanced oxygen electrocatalysis. <i>Electrochimica Acta</i> , 2020, 329, 135172.	5.2	14
663	A redox interaction-engaged strategy for multicomponent nanomaterials. <i>Chemical Society Reviews</i> , 2020, 49, 736-764.	38.1	32
664	Highly porous PtPd nanoclusters synthesized via selective chemical etching as efficient catalyst for ethanol electro-oxidation. <i>Applied Surface Science</i> , 2020, 508, 145222.	6.1	33
665	Highly Active Palladium Nanocatalysts for Low-Temperature Carbon Monoxide Oxidation. <i>Polytechnica</i> , 2020, 3, 1-25.	2.1	12
666	MXene Surface Terminations Enable Strong Metal-Support Interactions for Efficient Methanol Oxidation on Palladium. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2400-2406.	8.0	77
667	Ultrafast synthesis of uniform 4-5 atoms-thin layered tremella-like Pd nanostructure with extremely large electrochemically active surface area for formic acid oxidation. <i>Journal of Power Sources</i> , 2020, 447, 227248.	7.8	56
668	Immobilizing 13-nm Ag nanoparticles in reduced graphene oxide aerogel as a high-effective catalyst for reduction of nitroaromatic compounds. <i>Environmental Pollution</i> , 2020, 256, 113405.	7.5	11
669	Nano Au/Pd-catalysed on-water™ synthesis of C ₃ -C ₃ diaryl-oxindole scaffolds via <i>N</i> -selective dearomatization of indole. <i>Green Chemistry</i> , 2020, 22, 170-179.	9.0	21
670	Anchoring nanosized Pd on three-dimensional boron- and nitrogen-codoped graphene aerogels as a highly active multifunctional electrocatalyst for formic acid and methanol oxidation reactions. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 700-708.	6.0	46
671	Composition-Graded Cu-Pd Nanospheres with Ir-Doped Surfaces on N-Doped Porous Graphene for Highly Efficient Ethanol Electro-Oxidation in Alkaline Media. <i>ACS Catalysis</i> , 2020, 10, 1171-1184.	11.2	98
672	Highly dispersive Pt-Pd nanoparticles on graphene oxide sheathed carbon fiber microelectrodes for electrochemical detection of H ₂ O ₂ released from living cells. <i>Nanotechnology</i> , 2020, 31, 135503.	2.6	13
673	PdMn and PdFe nanoparticles over a reduced graphene oxide carrier for methanol electro-oxidation under alkaline conditions. <i>Ionics</i> , 2020, 26, 2421-2433.	2.4	13

#	ARTICLE	IF	CITATIONS
674	Metal-Free Based Nanocatalysts via a Universal Design on Cellular Structure. <i>Advanced Science</i> , 2020, 7, 1902051.	11.2	48
675	Facile assembly of Ag nanoparticles on H ₂ SrTa ₂ O ₇ nanosheets with improved catalytic property. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153427.	5.5	7
676	Green synthesis of silver and palladium nanocomposites: a study of catalytic activity towards etherification reaction. <i>Materials Advances</i> , 2020, 1, 2937-2952.	5.4	5
677	Spontaneous Growth of Au Microflowers on Poly(<i>N</i> -isopropylacrylamide) Brushes-grafted-Graphene Oxide Films for Surface-enhanced Raman Spectroscopy. <i>Chemistry Letters</i> , 2020, 49, 1159-1162.	1.3	3
678	Hydrogen Generation upon Nanocatalyzed Hydrolysis of Hydrogen-Rich Boron Derivatives: Recent Developments. <i>Accounts of Chemical Research</i> , 2020, 53, 2483-2493.	15.6	122
679	High-Temperature Shock Enabled Nanomanufacturing for Energy-Related Applications. <i>Advanced Energy Materials</i> , 2020, 10, 2001331.	19.5	86
680	Tungsten-induced synthesis of defective palladium-copper-tungsten trimetallic nanochains to highly enhance activity for formic acid electrooxidation. <i>Materials Today Energy</i> , 2020, 18, 100558.	4.7	7
681	Graphene Oxide as a Metal-free Carbocatalyst for Direct Amide Synthesis from Carboxylic Acid and Amine Under Solvent-free Reaction Condition. <i>ChemistrySelect</i> , 2020, 5, 8295-8300.	1.5	4
682	Understanding the Role of Silver Nanostructures and Graphene Oxide Applied as Surface Modification of TiO ₂ in Photocatalytic Transformations of Rhodamine B under UV and Vis Irradiation. <i>Materials</i> , 2020, 13, 4653.	2.9	12
683	Atomically-precise dopant-controlled single cluster catalysis for electrochemical nitrogen reduction. <i>Nature Communications</i> , 2020, 11, 4389.	12.8	110
684	Preparation of platinum-silver alloy nanoparticles and their catalytic performance in methanol electro-oxidation. <i>Journal of Fuel Chemistry and Technology</i> , 2020, 48, 1015-1024.	2.0	4
685	Simple-chemical synthetic route for the preparation of Ag nanoparticles supported on reduced graphene oxide. <i>Materials Express</i> , 2020, 10, 909-914.	0.5	4
686	Electrocatalytic Investigation of M@Pd (M=Ni, Co, Cu) Core-shell Nanostructure Supported on N, S-doped Reduced Graphene Oxide towards Hydrogen and Oxygen Evolution Reaction. <i>ChemistrySelect</i> , 2020, 5, 9989-9998.	1.5	8
687	Research and Application Progress Based on the Interfacial Properties of Graphene Oxide. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000881.	3.7	17
688	Fabrication of Au-Pd NPs@CNSs/GO Nanocomposites and Their High Catalytic Properties. <i>Russian Journal of Physical Chemistry A</i> , 2020, 94, 1804-1810.	0.6	0
689	Selective Reduction Sites on Commercial Graphite Foil for Building Multimetallic Nano-assemblies for Energy Conversion. <i>ChemistrySelect</i> , 2020, 5, 13269-13277.	1.5	0
690	Interactions of sub-five-nanometer diameter colloidal palladium nanoparticles in solution investigated via liquid cell transmission electron microscopy. <i>RSC Advances</i> , 2020, 10, 34781-34787.	3.6	4
691	Microwave assisted crystalline and morphology evolution of flower-like Fe ₂ O ₃ @ iron doped K-birnessite composite and its application for lithium ion storage. <i>Applied Surface Science</i> , 2020, 525, 146513.	6.1	18

#	ARTICLE	IF	CITATIONS
692	Bi ₂ O ₃ Nanoparticles Decorated Carbon Nanotube: An Effective Nanoelectrode for Enhanced Electrocatalytic 4-Nitrophenol Reduction. <i>Frontiers in Chemistry</i> , 2020, 8, 325.	3.6	24
693	Promoting Effects of Au Submonolayer Shells on Structure-Designed Cu@Pd/Ir Nanospheres: Greatly Enhanced Activity and Durability for Alkaline Ethanol Electro-Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25961-25971.	8.0	26
694	Sustainable synthesis of supported metal nanocatalysts for electrochemical hydrogen evolution. <i>Chinese Journal of Catalysis</i> , 2020, 41, 1791-1811.	14.0	80
695	The electrochemical behavior of 4-nitrobenzyl bromide and its catalytic activity for reduction of CO ₂ in the acetonitrile solvent at the Cu/Pd/rGO/GCE surface. <i>Electrochimica Acta</i> , 2020, 352, 136483.	5.2	7
696	One-pot Synthesis of N-doped Reduced Graphene Oxide Decorated with Au-Pd@Au Alloy Nanodendrites for Electrochemical Detection of Chrysophanol. <i>International Journal of Electrochemical Science</i> , 2020, , 3660-3671.	1.3	2
697	In situ green growth of uniform and naked Ag nanoparticles on graphene oxide at room temperature and its enhanced catalytic performance. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	7
698	Electrochemical Activity of Thin-Film Pd Catalysts Modified with Bi for Methanol and Ethanol Oxidation Reaction in Alkaline Solution. <i>International Journal of Electrochemical Science</i> , 2020, , 3761-3775.	1.3	1
699	Novel PDPA-SiO ₂ nanosphericals network decorated graphene nanosheets composite coated FTO electrode for efficient electro-oxidation of methanol. <i>Fuel</i> , 2020, 279, 118439.	6.4	29
700	Stable and Efficient PtRu Electrocatalysts Supported on Zn-BTC MOF Derived Microporous Carbon for Formic Acid Fuel Cells Application. <i>Frontiers in Chemistry</i> , 2020, 8, 367.	3.6	15
701	Biochemical synthesis of palladium nanoparticles: The influence of chemical fixatives used in electron microscopy on nanoparticle formation and catalytic performance. <i>Journal of Hazardous Materials</i> , 2020, 398, 122945.	12.4	24
702	A Facile Method to Prepare Ultrafine Pd Nanoparticles Embedded into N-Doped Porous Carbon Nanosheets as Highly Efficient Electrocatalysts for Oxygen Reduction Reaction. <i>Journal of the Electrochemical Society</i> , 2020, 167, 054508.	2.9	7
703	Spontaneous deposition of Ir nanoparticles on 2D siloxene as a high-performance HER electrocatalyst with ultra-low Ir loading. <i>Chemical Communications</i> , 2020, 56, 4824-4827.	4.1	39
704	Self-Assembling of <i>Shewanella</i> @rGO@Pd bionanohybrid for synergistic bio-Abiotic removal of Cr(VI). <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2222-2228.	3.2	9
705	Low-Noble-Metal-Loading Hybrid Catalytic System for Oxygen Reduction Utilizing Reduced-Graphene-Oxide-Supported Platinum Aligned with Carbon-Nanotube-Supported Iridium. <i>Catalysts</i> , 2020, 10, 689.	3.5	9
706	Fabrication of Composite Material with Pd Nanoparticles and Graphene on Nickel Foam for Its Excellent Electrocatalytic Performance. <i>Electrocatalysis</i> , 2020, 11, 522-535.	3.0	18
707	Green synthesis of Au@N-CQDs@Pd core-shell nanoparticles for enhanced methanol electrooxidation. <i>Journal of Electroanalytical Chemistry</i> , 2020, 873, 114423.	3.8	7
708	Electrodeposited graphene hybridized graphitic carbon nitride anchoring ultrafine palladium nanoparticles for remarkable methanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 21483-21492.	7.1	19
709	Room-Temperature Reduction of Graphene Oxide in Water by Metal Chloride Hydrates: A Cleaner Approach for the Preparation of Graphene@Metal Hybrids. <i>Nanomaterials</i> , 2020, 10, 1255.	4.1	2

#	ARTICLE	IF	CITATIONS
710	Effect of Hybrid mono/bimetallic Nanocomposites for an enhancement of Catalytic and Antimicrobial Activities. <i>Scientific Reports</i> , 2020, 10, 2586.	3.3	9
711	Ultra-clean PtPd nanoflowers loaded on GO supports with enhanced low-temperature electrocatalytic activity for fuel cells in harsh environment. <i>Applied Surface Science</i> , 2020, 511, 145603.	6.1	28
712	Crafting Porous Carbon for Immobilizing Pd Nanoparticles with Enhanced Catalytic Activity for Formic Acid Dehydrogenation. <i>ChemNanoMat</i> , 2020, 6, 533-537.	2.8	11
713	Graphene oxide: a convenient metal-free carbocatalyst for facilitating amidation of esters with amines. <i>New Journal of Chemistry</i> , 2020, 44, 2661-2668.	2.8	6
714	Fabrication and Application of Graphene Supported Diimine-Palladium Complex Catalyst for Organic Synthesis. <i>ChemistrySelect</i> , 2020, 5, 1431-1438.	1.5	6
715	Adsorption of C ₂ H ₂ , CH ₄ and CO on Mn-doped graphene: Atomic, electronic, and gas-sensing properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 119, 113959.	2.7	86
716	Study on the interactions between graphene quantum dots and Hg(II): Unraveling the origin of photoluminescence quenching of graphene quantum dots by Hg(II). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 591, 124551.	4.7	11
717	Superior Catalytic Performance of Atomically Dispersed Palladium on Graphene in CO Oxidation. <i>ACS Catalysis</i> , 2020, 10, 3084-3093.	11.2	44
718	Aqueous Synthesis of Pd-M (M = Pd, Pt, and Au) Decahedra with Concave Facets for Catalytic Applications. <i>Topics in Catalysis</i> , 2020, 63, 664-672.	2.8	9
719	Synthesis of Multiple-Twinned Pd Nanoparticles Anchored on Graphitic Carbon Nanosheets for Use as Highly-Active Multifunctional Electrocatalyst in Formic Acid and Methanol Oxidation Reactions. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000142.	3.7	24
720	Synthesis of supported Pd nanocluster catalyst by spontaneous reduction on layered double hydroxide. <i>Journal of Catalysis</i> , 2020, 385, 313-323.	6.2	17
721	Simultaneous Detection of 4-Aminophenol and Paracetamol Using a Glassy Carbon Electrode Modified with Graphene Oxide, TiO ₂ and Gold Nanoparticles. <i>Journal of the Electrochemical Society</i> , 2020, 167, 066512.	2.9	10
722	Amorphous Ni-Fe-Se hollow nanospheres electrodeposited on nickel foam as a highly active and bifunctional catalyst for alkaline water splitting. <i>Dalton Transactions</i> , 2020, 49, 6764-6775.	3.3	38
723	Ultrafine Pt-Based Nanowires for Advanced Catalysis. <i>Advanced Functional Materials</i> , 2020, 30, 2000793.	14.9	188
724	Pd nanocrystals anchored on 3D hybrid architectures constructed from nitrogen-doped graphene and low-defect carbon nanotube as high-performance multifunctional electrocatalysts for formic acid and methanol oxidation. <i>Materials Today Energy</i> , 2020, 16, 100409.	4.7	31
725	Oxygenated functional group-driven spontaneous fabrication of Pd nanoparticles decorated porous carbon nanosheets for electrocatalytic hydrodechlorination of 4-chlorophenol. <i>Journal of Hazardous Materials</i> , 2021, 408, 124456.	12.4	48
726	Rapid synthesis of a hybrid of rGO/AuNPs/MWCNTs for sensitive sensing of 4-aminophenol and acetaminophen simultaneously. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 813-820.	3.7	19
727	Graphene oxide: An emerging electromaterial for energy storage and conversion. <i>Journal of Energy Chemistry</i> , 2021, 55, 323-344.	12.9	146

#	ARTICLE	IF	CITATIONS
728	Recyclable nanocellulose-confined palladium nanoparticles with enhanced room-temperature catalytic activity and chemoselectivity. <i>Science China Materials</i> , 2021, 64, 621-630.	6.3	19
729	One-step fabrication of a highly dispersed palladium nanoparticle-decorated reduced graphene oxide electrocatalyst for methanol electro-oxidation in acidic media. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 148, 109718.	4.0	13
730	Carbon Related Materials. , 2021, , .		5
731	Noble metal nanowire arrays as an ethanol oxidation electrocatalyst. <i>Nanoscale Advances</i> , 2021, 3, 177-181.	4.6	6
732	Recent advances in the development of palladium nanocatalysts for sustainable organic transformations. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 499-545.	6.0	30
733	Insight into the Structures and Electrocatalytic Activities of PdAg Alloy on RGO in the Oxidation of Ethanol, Ethylene Glycol and Glycerol. <i>Catalysis Letters</i> , 2021, 151, 1796-1804.	2.6	3
734	Black phosphorus hybridizing produces electron-deficient active sites on palladium nanoparticles for catalysis. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119775.	20.2	27
735	Silica-based nanoenzymes for rapid and ultrasensitive detection of mercury ions. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129304.	7.8	21
736	Sub-nanometric Manganous Oxide Clusters in Nitrogen Doped Mesoporous Carbon Nanosheets for High-Performance Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2021, 21, 700-708.	9.1	60
737	Pd nanocrystals grown on MXene and reduced graphene oxide co-constructed three-dimensional nanoarchitectures for efficient formic acid oxidation reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 589-598.	7.1	95
738	Immobilized some of vanadium compounds on modified graphene oxide as nanofiber network for epoxidation of allyl alcohols. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6151.	3.5	5
739	Uncovering the Encapsulation Effect of Reduced Graphene Oxide Sheets on Hydrogen Storage Properties of Palladium Nanocubes. <i>Nanoscale</i> , 2021, 13, 16942-16951.	5.6	8
740	Fabrication of Pd-Au Clusters by In Situ Spontaneous Reduction of Reductive Layered Double Hydroxides. <i>Catalysis Letters</i> , 2021, 151, 2355-2365.	2.6	2
741	Graphene-Based Nanocomposites for Renewable Energy Application. , 2021, , 929-963.		0
742	Manganese Oxides-Graphene Nanocomposites as Advanced Supercapacitors. , 2022, , 523-556.		1
743	Graphene encapsulated Ru nanocrystal with highly-efficient peroxidase-like activity for glutathione detection at near-physiological pH. <i>Chemical Communications</i> , 2021, 57, 7669-7672.	4.1	22
744	Highly efficient electrocatalysts fabricated via electrophoretic deposition for alcohol oxidation, oxygen reduction, hydrogen evolution, and oxygen evolution reactions. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 7263-7283.	7.1	18
745	Localized Surface Plasmon Enhanced Laser Reduction of Graphene Oxide for Wearable Strain Sensor. <i>Advanced Materials Technologies</i> , 2021, 6, 2001191.	5.8	16

#	ARTICLE	IF	CITATIONS
746	Building sp carbon-bridged g-C ₃ N ₄ -based electron donor-acceptor unit for efficient photocatalytic water splitting. <i>Molecular Catalysis</i> , 2021, 505, 111518.	2.0	7
747	Palladium Particles Modified by Mixed-Frequency Square-Wave Potential Treatment to Enhance Electrocatalytic Performance for Formic Acid Oxidation. <i>Catalysts</i> , 2021, 11, 522.	3.5	1
748	Preparation and characterization of magnetic photocatalyst from the banded iron formation for effective photodegradation of methylene blue under UV and visible illumination. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105127.	6.7	34
749	Au/Cdot-Nanohybrid Electrocatalyst Synthesized by Rice-Straw-Derived Carbon Dots as a Reducing Agent for Improved Hydrogen Evolution Reactions. <i>Journal of the Electrochemical Society</i> , 2021, 168, 044509.	2.9	10
750	Aptamer-Regulated Gold Nanosol Plasmonic SERS/RRS Dimode Assay of Trace Organic Pollutants Based on TpPa-Loaded PdNC Catalytic Amplification. <i>ACS Applied Bio Materials</i> , 2021, 4, 4582-4590.	4.6	12
751	Formation of Mercury Droplets at Ambient Conditions through the Interaction of Hg(II) with Graphene Quantum Dots. <i>Inorganic Chemistry</i> , 2021, 60, 7834-7843.	4.0	5
752	Pt@Co@Pt Octahedral Nanocrystals: Enhancing Their Activity and Durability toward Oxygen Reduction with an Intermetallic Core and an Ultrathin Shell. <i>Journal of the American Chemical Society</i> , 2021, 143, 8509-8518.	13.7	128
753	Recent advances in MXene-based nanoarchitectures as electrode materials for future energy generation and conversion applications. <i>Coordination Chemistry Reviews</i> , 2021, 435, 213806.	18.8	97
754	Facile synthesis of heterophase sponge-like Pd toward enhanced formic acid oxidation. <i>Electrochemistry Communications</i> , 2021, 126, 107004.	4.7	7
755	Pt-Ru/polyaniline/carbon nanotube composites with three-layer tubular structure for efficient methanol oxidation. <i>Journal of Alloys and Compounds</i> , 2021, 867, 159017.	5.5	25
756	Photo-anode surface modification using novel graphene oxide integrated with methylammonium lead iodide in organic-inorganic perovskite solar cells. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 154, 110036.	4.0	1
757	Modulating reaction pathways of formic acid oxidation for optimized electrocatalytic performance of PtAu/CoNC. <i>Nano Research</i> , 2022, 15, 1221-1229.	10.4	22
758	Application of graphene in low-temperature fuel cell technology: An overview. <i>International Journal of Energy Research</i> , 2021, 45, 18318-18336.	4.5	10
759	Synthesis of bimetallic PdSn nanoparticle assembly as highly efficient electrocatalyst for ethanol oxidation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 621, 126577.	4.7	7
760	Metastable Nanoporous Palladium Evolving from Palladium Nanocrystals. <i>ChemNanoMat</i> , 0, , .	2.8	1
761	Controlled decoration of palladium (Pd) nanoparticles on graphene nanosheets and its superior field emission behavior. <i>Materials Research Bulletin</i> , 2021, 140, 111335.	5.2	11
762	MXene (Ti ₃ C ₂ T _x) supported electrocatalysts for methanol and ethanol electrooxidation: A review. <i>Ceramics International</i> , 2021, 47, 28106-28121.	4.8	33
763	Facile synthesis of polyaniline/titanium carbide (MXene) nanosheets/palladium nanocomposite for efficient electrocatalytic oxidation of methanol for fuel cell application. <i>Fuel</i> , 2021, 303, 121329.	6.4	33

#	ARTICLE	IF	CITATIONS
764	Platinum nanoparticles/phosphotungstic acid nanorods anchored poly(diphenylamine) nanohybrid coated electrode as a superior electro-catalyst for oxidation of methanol. <i>Progress in Organic Coatings</i> , 2021, 161, 106470.	3.9	5
765	Improved electrocatalytic activity of Pt catalyst supported on core-shell CMs@NiO for methanol oxidation. <i>New Journal of Chemistry</i> , 2021, 45, 12879-12885.	2.8	5
766	Pd Nanoparticles Dispersed on Zr ^{IV} Organophosphonate: A Robust and Reusable Catalyst for Suzuki-Miyaura Cross-Coupling Reactions. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 751-758.	2.0	2
767	Ultrafine Pd nanocrystals anchored onto single-walled carbon nanohorns: A highly-efficient multifunctional electrocatalyst with ultra-low Pd loading for formic acid and methanol oxidation. <i>Materials Chemistry and Physics</i> , 2020, 250, 123167.	4.0	12
768	Dealloyed porous gold anchored by in situ generated graphene sheets as high activity catalyst for methanol electro-oxidation reaction. <i>RSC Advances</i> , 2020, 10, 1666-1678.	3.6	3
769	Simplified synthesis of silver nanoparticles on graphene oxide and their applications in electrocatalysis. <i>Nanotechnology</i> , 2020, 32, 025502.	2.6	4
770	Highly efficient and recyclable silver-graphene oxide nano-composite catalyst in the acylation of amines under solvent-free condition. <i>MOJ Bioorganic & Organic Chemistry</i> , 2018, 2, .	0.1	4
771	Ultrasensitive Electrochemical Detection of Prostate-Specific Antigen (PSA) Based on Graphene-Silver Nanocomposite. <i>International Journal of Electrochemical Science</i> , 2017, 12, 8188-8197.	1.3	4
772	Metallic Particle Assemblies on Graphene. <i>Current Organic Chemistry</i> , 2015, 19, 1773-1790.	1.6	7
773	Synthesis and Characterization of Graphene and Graphene Oxide Based Palladium Nanocomposites and Their Catalytic Applications in Carbon-Carbon Cross-Coupling Reactions. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 1979-1984.	1.9	10
774	Effect of Sn Doping on Pd Electro-Catalysts for Enhanced Electro-Catalytic Activity towards Methanol and Ethanol Electro-Oxidation in Direct Alcohol Fuel Cells. <i>Nanomaterials</i> , 2021, 11, 2725.	4.1	10
775	High crystallinity graphene synthesis from graphene oxide. <i>Tanso</i> , 2016, 2016, 171-181.	0.1	0
776	Preparation of Trimanganese Tetraoxide/Three Dimensional Porous Graphene Composites. <i>Applied Physics</i> , 2018, 08, 185-192.	0.0	0
777	Graphene-Based Nanocomposites for Renewable Energy Application. , 2019, , 1-36.		0
778	A review on graphene oxide effect in energy storage devices. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 106, 20-36.	5.8	24
779	Synergetic Effect of Graphene Oxide and Metal Organic Framework Nanocomposites as Electrocatalysts for Hydrogen Evolution Reaction. , 2021, , 23-54.		1
780	Electrochemical Sensor Based on MWCNTs/AuNPs/GCE for Sensitive Determination of Sudan I Content in Food Samples. <i>International Journal of Electrochemical Science</i> , 2020, 15, 11168-11179.	1.3	9
781	Performance of graphene-zinc oxide nanocomposite coated-glassy carbon electrode in the sensitive determination of para-nitrophenol. <i>Scientific Reports</i> , 2022, 12, 117.	3.3	21

#	ARTICLE	IF	CITATIONS
782	Synthesis of defect-impressive boron graphene as a remarkable electrocatalyst for methanol oxidation reaction. <i>Journal of Materials Research and Technology</i> , 2022, 16, 362-372.	5.8	5
783	Synergistic combination of Pd nanosheets and porous Bi(OH) ₃ boosts activity and durability for ethanol oxidation reaction. <i>Nano Research</i> , 2022, 15, 3920-3926.	10.4	28
784	Spontaneous Carbon-Support-Induced Metal Deposition. <i>ACS Omega</i> , 2022, 7, 3158-3166.	3.5	5
785	Dynamically self-assembled adenine-mediated synthesis of pristine graphene-supported clean Pd nanoparticles with superior electrocatalytic performance toward formic acid oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 515-523.	9.4	15
786	Re nanoclusters anchored on nanosheet supports: Formation of Re-O-matrix bonding and evaluation as all-pH-range hydrogen evolution reaction (HER) electrocatalysts. <i>Journal of Energy Chemistry</i> , 2022, 69, 185-193.	12.9	14
787	Self-enhanced electrochemiluminescence of luminol induced by palladium-graphene oxide for ultrasensitive detection of aflatoxin B1 in food samples. <i>Food Chemistry</i> , 2022, 381, 132276.	8.2	26
788	Controllable Synthesis of Web-footed PdCu Nanosheets and Their Electrocatalytic Applications. <i>Small</i> , 2022, 18, e2107623.	10.0	62
789	Synthesis of Liquid Gallium@Reduced Graphene Oxide Core-shell Nanoparticles with Enhanced Photoacoustic and Photothermal Performance. <i>Journal of the American Chemical Society</i> , 2022, 144, 6779-6790.	13.7	57
790	Preparation of zinc oxide graphed nickel incorporated mesoporous SBA-16 doped graphene oxide: An efficient catalyst for transesterification of waste edible oil to biodiesel and photocatalytic degradation of organic dyes. <i>Inorganic Chemistry Communication</i> , 2022, 139, 109379.	3.9	8
791	Pickering nanoemulsions and their mechanisms in enhancing oil recovery: A comprehensive review. <i>Fuel</i> , 2022, 319, 123667.	6.4	20
792	Progress of fundamental mechanism of formic acid decomposition and electrooxidation. <i>Journal of Energy Chemistry</i> , 2022, 70, 292-309.	12.9	13
793	Self-Terminated Electroless Deposition of Surfactant-Free and Monodispersed Pt Nanoparticles on Carbon Fiber Microelectrodes for Sensitive Detection of H ₂ O ₂ Released from Living Cells. <i>Analytical Chemistry</i> , 2021, 93, 16683-16689.	6.5	14
795	Carbon-Supported Noble-Metal Nanoparticles for Catalytic Applications—A Review. <i>Crystals</i> , 2022, 12, 584.	2.2	18
796	Synthesis of binary nanohybrid-based polygonal Pd nanoparticles for proficient photoelectrochemical oxidation of methanol and urea. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , .	2.2	1
797	Carbon-nanosheet-driven spontaneous deposition of Au nanoparticles for efficient electrochemical utilizations toward H ₂ O ₂ generation and detection. <i>Chemical Engineering Journal</i> , 2022, 445, 136586.	12.7	17
798	Graphite Oxide catalysed one-pot synthesis of highly functionalized spirodibenzo[1,4]diazepine derivatives in aqueous ethanol medium. <i>Green Chemistry</i> , 0, , .	9.0	3
799	Augmented formic acid electro-oxidation at a co-electrodeposited Pd/Au nanoparticle catalyst. <i>Journal of Saudi Chemical Society</i> , 2022, 26, 101508.	5.2	1
800	Directing the Architecture of Surface-Clean Cu ₂ O for CO Electroreduction. <i>Journal of the American Chemical Society</i> , 2022, 144, 12410-12420.	13.7	24

#	ARTICLE	IF	CITATIONS
801	Glycerol oxidation at Pd nanocatalysts obtained through spontaneous metal deposition on carbon substrates. <i>Electrochimica Acta</i> , 2022, 427, 140871.	5.2	6
802	Electron-Deficient Pd clusters induced by spontaneous reduction of support defect for selective phenol hydrogenation. <i>Chemical Engineering Science</i> , 2022, 260, 117867.	3.8	2
803	Synthesis and Characterization of Mesoporous Silica Templates (KIT-6, SBA-15) and Mesoporous Platinum. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 081001.	1.8	1
804	Metal-Organic Framework Accelerated One-Step Capture and Reduction of Palladium to Catalytically Active Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 40408-40417.	8.0	8
805	Ligand-free synthesis of noble metal nanocatalysts for electrocatalysis. <i>Chemical Engineering Journal</i> , 2023, 451, 138668.	12.7	52
806	Effect of Graphene Substrate on Melting of Cu Nanoparticles. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
807	Imprinting of Different Types Of Graphene Oxide With Metal Cations. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
808	One Stone Two Birds: Unlocking the Synergy between Amorphous Ni(OH) ₂ and Pd Nanocrystals toward Ethanol and Formic Acid Oxidation. <i>Inorganic Chemistry</i> , 2022, 61, 14419-14427.	4.0	6
809	Photoelectrochemical Sensors with Near-Infrared-Responsive Reduced Graphene Oxide and MoS ₂ for Quantification of <i>Escherichia Coli</i> O157:H7. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 41649-41658.	8.0	25
810	Highly Efficient Hydrogen Production via the Hydrolysis of Ammonia Borane over Nanostructured Pd-Cu Nanoparticles Supported on PDA-coated Graphene. <i>ChemistrySelect</i> , 2022, 7, .	1.5	1
811	MOF derived NiO thin film formed p-n heterojunction with BiVO ₄ photoelectrode for enhancement of PEC performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 655, 130282.	4.7	18
812	Imprinting of different types of graphene oxide with metal cations. <i>Electrochimica Acta</i> , 2022, 434, 141307.	5.2	1
813	2D siloxene supported NiO/Co ₃ O ₄ electrocatalyst for the stable and efficient hydrogen evolution reaction. <i>Current Applied Physics</i> , 2022, 44, 102-109.	2.4	2
814	Graphene Oxide Based on Biomass Waste: Synthesis and Applications. , 0, , .		2
815	Graphene-Supported Palladium Nanostructures as Highly Active Catalysts for Formic Acid Oxidation Reaction. <i>ACS Applied Energy Materials</i> , 2022, 5, 13480-13491.	5.1	5
816	Diverse structural constructions of graphene-based composites for supercapacitors and metal-ion batteries. <i>FlatChem</i> , 2022, 36, 100453.	5.6	6
817	Brief Introduction of HTS. <i>Nanostructure Science and Technology</i> , 2023, , 1-11.	0.1	0
818	Progress in Graphene Oxide Hybrids for Environmental Applications. <i>Environments - MDPI</i> , 2022, 9, 153.	3.3	8

#	ARTICLE	IF	CITATIONS
819	Collision Electrochemical Synthesis of Metal Nanoparticles Using Electrons as Green Reducing Agent. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 57189-57196.	8.0	0
820	<i>In-situ</i> Synthesis of Nitrogen-doped Graphene Layer Encapsulated Palladium Nanoparticles for Highly Selective Hydrogenation of Vanillin. <i>Acta Chimica Sinica</i> , 2023, 81, 239.	1.4	0
821	Effect of graphene substrate on melting of Cu nanoparticles. <i>Physica B: Condensed Matter</i> , 2023, 657, 414817.	2.7	0
822	One-step biogenic synthesis of bismuth/reduced graphene oxide nanocomposites using lemon juice and their applications as recyclable nanocatalyst for the reduction of 4-nitrophenol. <i>Materials Today Sustainability</i> , 2023, 22, 100383.	4.1	1
823	Mixed-valence palladium single-atom catalyst induced by hybrid TiO ₂ -graphene through a photochemical strategy. <i>Applied Surface Science</i> , 2023, 625, 157115.	6.1	1
824	Ultrafast colorimetric detection of Cr(VI) based on competition of 8-HQ to Cr(VI) and TMB oxides using GO/AuNPs nanocomposites as peroxidase mimic. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2023, 297, 122722.	3.9	2
825	State-of-the-art progress in Ag ₃ PO ₄ -based photocatalysts: Rational design, regulation and perspective. <i>Applied Materials Today</i> , 2023, 31, 101742.	4.3	6
826	Highly Enantioselective Binaphthyl-Based Chiral Phosphoramidite Stabilized-Palladium Nanoparticles for Asymmetric Suzuki C-C Coupling Reactions. <i>Inorganic Chemistry</i> , 2023, 62, 4637-4647.	4.0	1
827	Rational Utilization of Black Phosphorus Nanosheets to Enhance Palladium-Mediated Bioorthogonal Catalytic Activity for Activation of Therapeutics. <i>Angewandte Chemie</i> , 2023, 135, .	2.0	0
828	Rational Utilization of Black Phosphorus Nanosheets to Enhance Palladium-Mediated Bioorthogonal Catalytic Activity for Activation of Therapeutics. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	13.8	1
829	One-pot synthesis of gamma-graphyne supported Pd nanoparticles with high catalytic activity. <i>Nanoscale Advances</i> , 0, , .	4.6	0
830	Engineered nanoflowers, nanotrees, nanostars, nanodendrites, and nanoleaves for biomedical applications. <i>Nanotechnology Reviews</i> , 2023, 12, .	5.8	2
831	Graphene-based Composite Materials as Catalyst for Organic Transformations. <i>ChemistrySelect</i> , 2023, 8, .	1.5	3
832	Coordination Construction of the Dual Superoxide Dismutase Catalytic Center Nanozyme: Synergistic Contribution of the Site, Structure, and Electron Transfer Pathway. <i>Inorganic Chemistry</i> , 2023, 62, 8960-8968.	4.0	1
833	Pd-M (M = Ni, Co) Bimetallic Catalysts with Tunable Composition for Highly Efficient Electrochemical Formic Acid Oxidation. <i>Processes</i> , 2023, 11, 1789.	2.8	0
834	Modeling of Inert Gas Sensors Using First Principles Methods. <i>IEEE Sensors Journal</i> , 2023, 23, 18118-18124.	4.7	5
835	Unconventional Bilateral Compressive Strained Ni-Ir Interface Synergistically Accelerates Alkaline Hydrogen Oxidation. <i>Journal of the American Chemical Society</i> , 2023, 145, 13805-13815.	13.7	15
837	Porous PdZn bimetallic for oxygen reduction electrolysis. <i>Applied Catalysis B: Environmental</i> , 2023, 338, 123006.	20.2	17

#	ARTICLE	IF	CITATIONS
838	Low-dimensional confinement effect in COF-based hetero-photocatalyst for energy conversion application. <i>SmartMat</i> , 0, , .	10.7	2
839	Biofabricated Palladium Nanoparticle-Decorated Reduced Graphene Oxide Nanocomposite Using the <i>Punica granatum</i> (Pomegranate) Peel Extract: Investigation of Potent In Vivo Hepatoprotective Activity against Acetaminophen-Induced Liver Injury in Wistar Albino Rats. <i>ACS Omega</i> , 0, , .	3.5	0
840	Highly selective and stable polybenzoxazine-based carbon nanosheet supported Pd catalyst for aerobic benzyl alcohol oxidation. <i>Chemical Papers</i> , 0, , .	2.2	0
841	Short Communication: A Facile One-Pot Method of Fabricating High Density PtGraphene Composite Nanosheets for Methanol Oxidation. <i>International Journal of Electrochemical Science</i> , 2015, 10, 9539-9546.	1.3	2
842	Facile Synthesis of Pd Nanoparticles-Graphene Oxide Hybrid and Its Application to the Electrochemical Determination of Rutin. <i>International Journal of Electrochemical Science</i> , 2015, 10, 8522-8530.	1.3	7
843	Graphene Supported Pt-Co Alloy Nanoparticles as Cathode Catalyst for Microbial Fuel Cells. <i>International Journal of Electrochemical Science</i> , 2013, 8, 149-158.	1.3	52
844	Palladium Decorated Nickel Nanoparticles Supported on Carbon for Formic Acid Oxidation. <i>International Journal of Electrochemical Science</i> , 2013, 8, 6068-6076.	1.3	14
845	Sandwich-type electrochemical aptasensor based on HMCS@PDA@AuNPs and PtCu DNs/MUN-CuO-TiO ₂ for ultrasensitive detection of cardiac troponin I. <i>Sensors and Actuators B: Chemical</i> , 2023, 393, 134275.	7.8	2
846	Octahedral Pd ₃ Cu ₇ Catalysts on Diverse Support Materials for Efficient Hydrogen Evolution: Theoretical Investigation and Mechanistic Perspective. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 50134-50147.	8.0	1
847	Controllable Preparation of Photosensitive Nanozymes Based on Metal-Organic Frameworks for Peroxidase-Mimicking Activities: Realizing Integrated Atrazine Visual Detection and Photocatalytic Degradation. <i>ACS Applied Nano Materials</i> , 2023, 6, 20052-20061.	5.0	1
848	Rh _{0.7} Ru _{0.3} -MoO _x supported on carbon nanotubes boosts hydrogen generation from hydrazine borane at room temperature. <i>International Journal of Hydrogen Energy</i> , 2024, 54, 1386-1393.	7.1	0
849	Carbon Nanotube-Encased FeNi Alloy/N-Doped Carbon ORR Catalyst: High Efficiency and Stability. <i>ECS Journal of Solid State Science and Technology</i> , 2023, 12, 121003.	1.8	0
850	A universal strategy for green and surfactant-free synthesis of noble metal nanoparticles. <i>Chemical Communications</i> , 2024, 60, 722-725.	4.1	1
851	Pd nanoparticles decorated N-doped holey graphene assembled on aluminum silicate fibers agglomerate for catalytic continuous-flow reduction of nitroarenes. <i>Chemical Engineering Science</i> , 2024, 286, 119656.	3.8	1
852	A metal-free, eco-friendly protocol for the oxidative halogenation of aromatic compounds by using highly efficient and reusable graphene oxide. <i>Reaction Chemistry and Engineering</i> , 2024, 9, 1113-1118.	3.7	0
853	Electroless Deposition of Palladium Nanoparticles on Graphdiyne Boosts Electrochemiluminescence. <i>Journal of the American Chemical Society</i> , 2024, 146, 3836-3843.	13.7	0
854	First Principles Calculation of Gas Sensitive Properties of Pd ₃ -Modified Monolayer PtSe ₂ to SF ₆ Decomposition Products. <i>Physica Status Solidi - Rapid Research Letters</i> , 2024, 18, .	2.4	0
855	Ag/g-C ₃ N ₄ nanosheets as a progressive support of Pt catalyst for improved electrocatalytic oxidation of methanol. <i>Journal of Materials Science</i> , 2024, 59, 3573-3584.	3.7	0

#	ARTICLE	IF	CITATIONS
856	Sn-based CrCO/SnO_2 Nanocomposite as an Efficient Electrocatalyst for CO_2 Reduction to Formate. ChemElectroChem, 2024, 11, .	3.4	0
857	Highly dispersed palladium nanoparticles decorated on nitrogen doped graphene for enhanced photoelectrochemical water splitting. Arabian Journal of Chemistry, 2024, 17, 105718.	4.9	0