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A facile and novel synthesis of Ag-graphene-based nanocomp

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468	Facile synthesis and application of Ag-chemically converted graphene nanocomposite. <b>2010</b> , 3, 339-349		372
467	In Situ Synthesis of Reduced Graphene Oxide and Gold Nanocomposites for Nanoelectronics and Biosensing. <b>2011</b> , 6, 60		74
466	Flexible magnetic nanoparticles-reduced graphene oxide composite membranes formed by self-assembly in solution. <b>2010</b> , 11, 2432-7		50
465	Chemically derived graphene oxide: towards large-area thin-film electronics and optoelectronics. <b>2010</b> , 22, 2392-415		1818
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462	Electrically Conductive Poly(vinyl alcohol) Hybrid Films Containing Graphene and Layered Double Hydroxide Fabricated via Layer-by-Layer Self-Assembly. <b>2010</b> , 2, 2005-2011		111
461	Supraparamagnetic, conductive, and processable multifunctional graphene nanosheets coated with high-density Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <b>2010</b> , 2, 3201-10		354
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450	Facile synthesis of silver@graphene oxide nanocomposites and their enhanced antibacterial properties. <b>2011</b> , 21, 4593	280
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204	Ag and Cu Monometallic and Ag/Cu Bimetallic Nanoparticle-Graphene Composites with Enhanced Antibacterial Performance. <b>2016</b> , 8, 27498-27510		73
203	Rapid Fabrication of Composite Hydrogel Microfibers for Weavable and Sustainable Antibacterial Applications. <b>2016</b> , 4, 6534-6542		40
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190	Sensitive electrochemical sensing of acetaminophen and hydroquinone over single-pot synthesized stabilizer free Ag/Ag-oxide-graphene nanocomposites. <b>2016</b> , 783, 280-287		21
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181	Preparation of graphene sheets into one-dimensionally nanostructured bulk bismuth telluride for enhancing thermoelectric power factor. <b>2016</b> , 27, 3427-3434	10
180	Synthesis of Ag/RGO composite as effective conductive ink filler for flexible inkjet printing electronics. <b>2016</b> , 490, 232-240	42
179	Single-step synthesis of graphene quantum dots by femtosecond laser ablation of graphene oxide dispersions. <b>2016</b> , 8, 8863-77	44
178	High-rate in-plane micro-supercapacitors scribed onto photo paper using in situ femtolaser-reduced graphene oxide/Au nanoparticle microelectrodes. <b>2016</b> , 9, 1458-1467	162
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174	Preparation and structure dependent thermoelectric properties of nanostructured bulk bismuth telluride with graphene. <b>2016</b> , 664, 639-647	60
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172	Synthesis and Characterization of Mesoporous Tin Oxide-Functionalized Reduced Graphene Oxide Nanoplatelets for Ultrasensitive Detection of Guaiacol in Red Wines. <b>2016</b> , 69, 220	4
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163	Preparation of Close-Packed Silver Nanoparticles on Graphene to Improve the Enzyme Immobilization and Electron Transfer at Electrode in Glucose/O <sub>2</sub> Biofuel Cell. <b>2017</b> , 35, 1098-1108		7
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160	Nanocomposites of poly(vinylidene fluoride) - Controllable hydroxylated/carboxylated graphene with enhanced dielectric performance for large energy density capacitor. <b>2017</b> , 117, 301-312		70
159	Synthesis of GO/AgIO <sub>4</sub> nanocomposites with enhanced photocatalytic efficiency in the degradation of organic pollutants. <b>2017</b> , 52, 6100-6110		10
158	Sonochemical green reduction to prepare Ag nanoparticles decorated graphene sheets for catalytic performance and antibacterial application. <b>2017</b> , 39, 577-588		101
157	Green Fabrication of Co <sub>3</sub> O <sub>4</sub> Nanoparticle-Decorated Reduced Graphene Oxide Sheets: Evaluation of Biocompatibility on Human Mesenchymal Stem Cells for Biomedical Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2017</b> , 27, 1110-1116	3.2	7
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155	Investigation of Thermal Properties of Ni-Coated Graphene Nanoribbons Based on Molecular Dynamics Methods. <b>2017</b> , 46, 4733-4739		3
154	Graphene Oxide/Ag Nanoparticles Cooperated with Simvastatin as a High Sensitive X-Ray Computed Tomography Imaging Agent for Diagnosis of Renal Dysfunctions. <b>2017</b> , 6, 1700413		20
153	Enhancement in electrical conductivity of pastes containing submicron Ag-coated Cu filler with palmitic acid surface modification. <b>2017</b> , 415, 67-74		8
152	Synthesis of Silver Nanoparticle-Graphene Composites for Electroanalysis Applications using Chemical and Electrochemical Methods. <b>2017</b> , 29, 1014-1021		19
151	Redox synthesis and high catalytic efficiency of transition-metal nanoparticle/graphene oxide nanocomposites. <b>2017</b> , 5, 21947-21954		14
150	Graphene-based antimicrobial nanomaterials: rational design and applications for water disinfection and microbial control. <b>2017</b> , 4, 2248-2266		53
149	Hybrid capacitive deionization with Ag coated carbon composite electrode. <b>2017</b> , 422, 42-48		66
148	Carbon nitride embedded MnO <sub>2</sub> nanospheres decorated with low-content Pt nanoparticles as highly efficient and durable electrode material for solid state supercapacitors. <b>2017</b> , 801, 84-91		5

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146	Synthesis of nanobelt-like 1-dimensional silver/nanocarbon hybrid materials for flexible and wearable electronics. <i>Scientific Reports</i> , <b>2017</b> , 7, 4931	4.9	14
145	In-situ synthesis of reduced graphene oxide/gold nanoparticles modified electrode for speciation analysis of copper in seawater. <b>2017</b> , 174, 500-506		20
144	Electrochemical co-deposition of reduced graphene oxide-gold nanocomposite on an ITO substrate and its application in the detection of dopamine. <b>2017</b> , 60, 151-156		9
143	Sonochemical green synthesis of Ag/graphene nanocomposite. <b>2017</b> , 35, 397-404		47
142	Paper microchip with a graphene-modified silver nano-composite electrode for electrical sensing of microbial pathogens. <b>2017</b> , 9, 1852-1861		48
141	Acid-free co-operative self-assembly of graphene-ZnO nanocomposites and its defect mediated visible light photocatalytic activities. <b>2017</b> , 506, 32-41		4
140	Applications of graphene in microbial fuel cells: The gap between promise and reality. <b>2017</b> , 72, 1389-1403		119
139	Excellent visible light photocatalytic properties of novel graphene based CdLa <sub>2</sub> S <sub>4</sub> /TiO <sub>2</sub> heterojunction nanocomposite. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2017</b> , 25, 1-11	1.8	5
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137	Effects of Bi Addition on the Microstructure and Mechanical Properties of Nanocrystalline Ag Coatings. <b>2017</b> , 10,		10
136	Adsorption of Metal Clusters on Graphene and Their Effect on the Electrical Conductivity. <b>2017</b> ,		
135	Construction of size-controllable gold nanoparticles immobilized on polysaccharide nanotubes by in situ one-pot synthesis. <b>2018</b> , 113, 240-247		11
134	Hybrid Paper-Plastic Microchip for Flexible and High-Performance Point-of-Care Diagnostics. <b>2018</b> , 28, 1707161		30
133	Enhanced antibacterial activity of functionalized graphene by azo-pyridinium compounds. <b>2018</b> , 15, 1467-1475		3
132	Bisphenol A electrochemiluminescence sensor based on reduced graphene oxide-Bi <sub>2</sub> ZnS <sub>4</sub> nanocomposite. <b>2018</b> , 817, 118-127		13
131	In situ growth of hexagonal-shaped Fe <sub>2</sub> O <sub>3</sub> nanostructures over few layered graphene by hydrothermal method and their electrochemical performance. <b>2018</b> , 29, 6898-6908		7
130	Influence of Bi addition on the property of Ag-Bi nano-composite coatings. <b>2018</b> , 349, 217-223		9

129	Effect of 2D MoS <sub>2</sub> and Graphene interfaces with CoSb <sub>3</sub> nanoparticles in enhancing thermoelectric properties of 2D MoS <sub>2</sub> -CoSb <sub>3</sub> and Graphene-CoSb <sub>3</sub> nanocomposites. <i>Ceramics International</i> , <b>2018</b> , 44, 10628-10634	5.1	14
128	Exfoliation and Decoration of Graphene Sheets with Silver Nanoparticles and Their Antibacterial Properties. <b>2018</b> , 26, 1072-1077		24
127	UV-assisted flash light welding process to fabricate silver nanowire/graphene on a PET substrate for transparent electrodes. <b>2018</b> , 11, 2190-2203		48
126	Thermal, electrical, and dielectric properties of reduced graphene oxide/polyaniline nanotubes hybrid nanocomposites synthesized by in situ reduction and varying graphene oxide concentration. <b>2018</b> , 135, 45883		16
125	A novel photocatalytic membrane decorated with RGO-Ag-TiO <sub>2</sub> for dye degradation and oil/water emulsion separation. <b>2018</b> , 93, 761-775		47
124	A magnetically recoverable bimetallic Au-FeNPs decorated on g-C <sub>3</sub> N <sub>4</sub> for efficient photocatalytic degradation of organic contaminants. <b>2018</b> , 249, 754-763		20
123	Ternary composite based on homogeneous Ni(OH) <sub>2</sub> on graphene with Ag nanoparticles as nanopacers for efficient supercapacitor. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 2058-2067	14.7	38
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121	. <b>2018</b> ,		3
120	Modification of nano-silver bioactivity by adsorption on carbon nanotubes and graphene oxide. <b>2018</b> , 30, 429-438		5
119	Mussel-Inspired Catechol-Formaldehyde Resin-Coated FeO Core-Shell Magnetic Nanospheres: An Effective Catalyst Support for Highly Active Palladium Nanoparticles. <b>2018</b> , 10, 44535-44545		11
118	Silver-doped graphene oxide nanocomposite triggers cytotoxicity and apoptosis in human hepatic normal and carcinoma cells. <b>2018</b> , 13, 5685-5699		18
117	Novel electrospun polyvinylidene fluoride-graphene oxide-silver nanocomposite membranes with protein and bacterial antifouling characteristics. <b>2018</b> , 12, 365-382		32
116	Natural saponin stabilized nano-catalyst as efficient dye-degradation catalyst. <i>Nano Structures Nano Objects</i> , <b>2018</b> , 16, 86-95	5.6	43
115	A novel non-invasive strategy for low-level laser-induced cancer therapy by using new Ag/ZnO and Nd/ZnO functionalized reduced graphene oxide nanocomposites. <b>2018</b> , 46, 800-816		21
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113	Advancement of Ag-Graphene Based Nanocomposites: An Overview of Synthesis and Its Applications. <i>Small</i> , <b>2018</b> , 14, e1800871	11	76
112	Anchoring of Ag nanoparticles on Fe <sub>3</sub> O <sub>4</sub> modified polydopamine sub-micrometer spheres with enhanced catalytic activity. <b>2018</b> , 462, 1-7		12

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110	Fabrication and Characterization of Novel Electrothermal Self-Healing Microcapsules with Graphene/Polymer Hybrid Shells for Bitumenious Material. <i>Nanomaterials</i> , <b>2018</b> , 8,	5-4	13
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108	Graphene Oxide-Silver Nanocomposite Enhances Cytotoxic and Apoptotic Potential of Salinomycin in Human Ovarian Cancer Stem Cells (OvCSCs): A Novel Approach for Cancer Therapy. <b>2018</b> , 19,		52
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