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## Graphene-based materials in electrochemistry

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1247	Foundations of Software Science and Computational Structures. <b>2007</b> ,		1
1246	Graphene-based nanomaterials and their electrochemistry. <i>Chemical Society Reviews</i> , <b>2010</b> , 39, 4146-57	58.5	898
1245	ChemInform Abstract: Graphene-Based Materials in Electrochemistry. <b>2010</b> , 41, no-no		
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1242	Sheet-like and fusiform CuO nanostructures grown on graphene by rapid microwave heating for high Li-ion storage capacities. <b>2011</b> , 21, 17916		96
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1068	Layer-by-layer self-assembly and electrochemistry: applications in biosensing and bioelectronics. <b>2012</b> , 31, 1-10		178
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1066	Layer-by-layer assembly of chemical reduced graphene and carbon nanotubes for sensitive electrochemical immunoassay. <b>2012</b> , 35, 63-68		138
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1054	Well-distributed TiO <sub>2</sub> nanocrystals on reduced graphene oxides as high-performance anode materials for lithium ion batteries. <b>2013</b> , 3, 13696		43
1053	Separation of graphene oxide by density gradient centrifugation and study on their morphology-dependent electrochemical properties. <b>2013</b> , 703, 135-145		20
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541	Facile preparation of PtPdPt/graphene nanocomposites with ultrahigh electrocatalytic performance for methanol oxidation. <b>2016</b> , 761, 55-61		30
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539	Indicator displacement assay for cholesterol electrochemical sensing using a calix[6]arene functionalized graphene-modified electrode. <b>2016</b> , 141, 270-8		35
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537	Synthesis of reduced graphene oxide intercalated ZnO quantum dots nanoballs for selective biosensing detection. <i>Applied Surface Science</i> , <b>2016</b> , 376, 133-137	6.7	13
536	Two-dimensional copper thio- and seleno-cyanates. <b>2016</b> , 18, 7837-40		18
535	Integration of graphene-hemin hybrid materials in an electroenzymatic system for degradation of diclofenac. <i>Electrochimica Acta</i> , <b>2016</b> , 190, 980-987	6.7	12
534	Determination of some neurotransmitters at cyclodextrin/ionic liquid crystal/graphene composite electrode. <i>Electrochimica Acta</i> , <b>2016</b> , 199, 319-331	6.7	44
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532	Self-anchoring dendritic ternary vanadate compound on graphene nanoflake as high-performance conversion-type anode for lithium ion batteries. <b>2016</b> , 22, 179-188		9
531	Direct electrodeposition of well dispersed electrochemical reduction graphene oxide assembled with nickel oxide nanocomposite and its improved electrocatalytic activity toward 2, 4, 6-Trinitrophenol. <i>Electrochimica Acta</i> , <b>2016</b> , 192, 512-520	6.7	20
530	Graphene oxide deposited microfiber knot resonator for gas sensing. <b>2016</b> , 6, 727		48

529	Large-scale sensor systems based on graphene electrolyte-gated field-effect transistors. <b>2016</b> , 141, 2704-11	15
528	Rational synthesis of carbon shell coated polyaniline/MoS <sub>2</sub> monolayer composites for high-performance supercapacitors. <b>2016</b> , 9, 951-962	88
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526	Fabrication of highly sensitive and selective nanocomposite film based on CuNPs/fullerene-C60/MWCNTs: An electrochemical nanosensor for trace recognition of paracetamol. <b>2016</b> , 917, 107-16	46
525	Newly reduced graphene oxide/gold oxide neural-chemical interface on multi-channel neural probes to enhance the electrochemical properties for biosensors. <b>2016</b> , 6, 27614-27622	2
524	Glucose Oxidase Immobilization by Volume Shrinkage of Graphene as Door-Function $\square$ Microelectrode. <b>2016</b> , 163, B169-B175	2
523	Electrochemical determination of carbamazepin in the presence of paracetamol using a carbon ionic liquid paste electrode modified with a three-dimensional graphene/MWCNT hybrid composite film. <b>2016</b> , 215, 316-322	26
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519	Direct Reduction of Graphene Oxide by Ni Foam as a High-Capacitance Supercapacitor Electrode. <b>2016</b> , 8, 2297-305	63
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516	Progress on implantable biofuel cell: Nano-carbon functionalization for enzyme immobilization enhancement. <b>2016</b> , 79, 850-60	89
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514	The endeavour to advance graphene $\square$ semiconductor composite-based photocatalysis. <b>2016</b> , 18, 24-37	86
513	A review of graphene oxide, graphene buckypaper, and polymer/graphene composites: Properties and fabrication techniques. <b>2016</b> , 32, 336-379	62
512	Electrochemistry and electrocatalysis of myoglobin on electrodeposited ZrO <sub>2</sub> and graphene-modified carbon ionic liquid electrode. <b>2016</b> , 13, 323-330	7

511	Application of three-dimensional reduced graphene oxide-gold composite modified electrode for direct electrochemistry and electrocatalysis of myoglobin. <b>2016</b> , 58, 450-7		30
510	Facile Synthesis of Graphene-Encapsulated Ag <sub>3</sub> PO <sub>4</sub> Composites with Highly Efficient Visible Light Photocatalytic Performance. <b>2016</b> , 11, 1650001		5
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4 <sup>20</sup>	Bi <sub>2</sub> MoO <sub>6</sub> /RGO composite nanofibers: facile electrospinning fabrication, structure, and significantly improved photocatalytic water splitting activity. <b>2017</b> , 28, 543-552		22
4 <sup>19</sup>	Advances in Graphene/Graphene Composite Based Microbial Fuel/Electrolysis Cells. <i>Electroanalysis</i> , <b>2017</b> , 29, 652-661	3	11
4 <sup>18</sup>	Nanomaterials-based enzyme electrochemical biosensors operating through inhibition for biosensing applications. <b>2017</b> , 89, 886-898		133
4 <sup>17</sup>	Electrochemical sensor for the facile detection of trace amounts of bisphenol A based on cyclodextrin-functionalized graphene/platinum nanoparticles. <b>2017</b> , 9, 134-140		15
4 <sup>16</sup>	Transfer characteristics of graphene based field effect transistor (GFET) for biosensing application. <b>2017</b> ,		2
4 <sup>15</sup>	Early detection of Alzheimer's disease using a biosensor based on electrochemically-reduced graphene oxide and gold nanowires for the quantification of serum microRNA-137. <b>2017</b> , 7, 55709-55719		63
4 <sup>14</sup>	A self-assembled graphene-based micro flow meter by streaming potential effect. <b>2017</b> ,		0
4 <sup>13</sup>	Rapid and Sensitive Detection of Bacteria Response to Antibiotics Using Nanoporous Membrane and Graphene Quantum Dot (GQDs)-Based Electrochemical Biosensors. <b>2017</b> , 10,		25
4 <sup>12</sup>	Graphene Quantum Dots Electrochemistry and Sensitive Electrocatalytic Glucose Sensor Development. <b>2017</b> , 7,		61
4 <sup>11</sup>	Phenylalanine-Rich Peptide Mediated Binding with Graphene Oxide and Bioinspired Synthesis of Silver Nanoparticles for Electrochemical Sensing. <b>2017</b> , 7, 160		13
4 <sup>10</sup>	Graphene-Paper Based Electrochemical Sensors. <b>2017</b> ,		1
4 <sup>09</sup>	The Investigation of Electrochemistry Behaviors of Tyrosinase Based on Directly-Electrodeposited Grapheneon Choline-Gold Nanoparticles. <b>2017</b> , 22,		4
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4 <sup>05</sup>	Graphene oxide as a Pickering emulsifier for poly(glycidyl methacrylate) composite particles and their suspension rheology under applied electric fields. <b>2018</b> , 550, 56-64		11
4 <sup>04</sup>	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



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378	Inhibitor or promoter: Insights on the corrosion evolution in a graphene protected surface. <b>2018</b> , 126, 225-231	49	
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374	Simultaneous determination of lead(II) and cadmium(II) at a glassy carbon electrode modified with GO@Fe <sub>3</sub> O <sub>4</sub> @benzothiazole-2-carboxaldehyde using square wave anodic stripping voltammetry. <b>2018</b> , 249, 1125-1132	29	
373	Toward High-Performance Pt-Based Nanocatalysts for Oxygen Reduction Reaction through Organic/Inorganic Hybrid Concepts. <b>2018</b> , 30, 2-24	52	
372	Graphene-Supported Cobalt(III) Complex of a Tetraamidomacrocyclic Ligand for Oxygen Reduction Reaction. <b>2018</b> , 148, 407-417	3	
371	Two-dimensional nanosheets as building blocks to construct three-dimensional structures for lithium storage. <b>2018</b> , 27, 128-145	19	
370	Catalyst-free deposition of few layer graphene on c-plane sapphire substrates by drop casting technique. <b>2018</b> , 29, 4413-4421	4	
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366	Readily Exfoliated TiSe Nanosheets for High-Performance Sodium Storage. <b>2018</b> , 24, 1193-1197	24
365	Metal-Free Organic Semiconductors for Visible-Light-Active Photocatalytic Water Splitting. <b>2018</b> , 329-363	
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363	The novel and efficient reduction of graphene oxide using Ocimum sanctum L. leaf extract as an alternative renewable bio-resource. <b>2018</b> , 42, 19945-19952	29
362	Incorporation of Cu-N cofactors into graphene encapsulated Co as biomimetic electrocatalysts for efficient oxygen reduction. <b>2018</b> , 10, 21076-21086	28
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359	Characterization of Electronic, Electrical, Optical, and Mechanical Properties of Graphene. <b>2018</b> , 805-822	1
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355	High temperature polymer electrolyte membrane fuel cells with Polybenzimidazole-Ce <sub>0.9</sub> Gd <sub>0.1</sub> P <sub>2</sub> O <sub>7</sub> and polybenzimidazole-Ce <sub>0.9</sub> Gd <sub>0.1</sub> P <sub>2</sub> O <sub>7</sub> -graphite oxide composite electrolytes. <b>2018</b> , 401, 149-157	11
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353	Energy Transfer from Photosystem I to Thermally Reduced Graphene Oxide. <b>2018</b> , 11,	2
352	Orientation of photosystem I on graphene through cytochrome c553 leads to improvement in photocurrent generation. <b>2018</b> , 6, 18615-18626	27
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350	Single step synthesis of Schottky-like hybrid graphene - titania interfaces for efficient photocatalysis. <b>2018</b> , 8, 8154	11

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346	Chemical sensing with 2D materials. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 4860-4908	58.5 317
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344	Graphene-Based Nanomaterials in Bioimaging. <b>2018</b> , 247-287	14
343	High-performance graphite-supported ruthenium nanocatalyst for hydrogen evolution reaction. <b>2018</b> , 268, 807-812	38
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