

Errol Samuel

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

7,332
citations

186265
28
h-index

302126
39
g-index

40
all docs

40
docs citations

40
times ranked

12726
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-induced porous graphene films from commercial polymers. <i>Nature Communications</i> , 2014, 5, 5714.	12.8	1,645
2	Atomic cobalt on nitrogen-doped graphene for hydrogen generation. <i>Nature Communications</i> , 2015, 6, 8668.	12.8	1,356
3	Coal as an abundant source of graphene quantum dots. <i>Nature Communications</i> , 2013, 4, 2943.	12.8	686
4	Toward the Synthesis of Wafer-Scale Single-Crystal Graphene on Copper Foils. <i>ACS Nano</i> , 2012, 6, 9110-9117.	14.6	537
5	Boron- and Nitrogen-Doped Graphene Quantum Dots/Graphene Hybrid Nanoplatelets as Efficient Electrocatalysts for Oxygen Reduction. <i>ACS Nano</i> , 2014, 8, 10837-10843.	14.6	396
6	Flexible and Stackable Laser-Induced Graphene Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3414-3419.	8.0	352
7	Bandgap Engineering of Coal-Derived Graphene Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7041-7048.	8.0	182
8	Cobalt Nanoparticles Embedded in Nitrogen-Doped Carbon for the Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8083-8087.	8.0	180
9	Rebar Graphene. <i>ACS Nano</i> , 2014, 8, 5061-5068.	14.6	178
10	Highly efficient conversion of superoxide to oxygen using hydrophilic carbon clusters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2343-2348.	7.1	173
11	Nanocomposite of Polyaniline Nanorods Grown on Graphene Nanoribbons for Highly Capacitive Pseudocapacitors. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6622-6627.	8.0	171
12	Large-Area Bernal-Stacked Bi-, Tri-, and Tetralayer Graphene. <i>ACS Nano</i> , 2012, 6, 9790-9796.	14.6	163
13	Iron Oxide Nanoparticle and Graphene Nanoribbon Composite as an Anode Material for High-Performance Li-Ion Batteries. <i>Advanced Functional Materials</i> , 2014, 24, 2044-2048.	14.9	156
14	Functionalized Low Defect Graphene Nanoribbons and Polyurethane Composite Film for Improved Gas Barrier and Mechanical Performances. <i>ACS Nano</i> , 2013, 7, 10380-10386.	14.6	124
15	Asphalt-Derived High Surface Area Activated Porous Carbons for Carbon Dioxide Capture. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1376-1382.	8.0	108
16	Preparation of carbon-coated iron oxide nanoparticles dispersed on graphene sheets and applications as advanced anode materials for lithium-ion batteries. <i>Nano Research</i> , 2014, 7, 502-510.	10.4	102
17	The microRNA miR-22 inhibits the histone deacetylase HDAC4 to promote TH17 cell-dependent emphysema. <i>Nature Immunology</i> , 2015, 16, 1185-1194.	14.5	91
18	Large Hexagonal Bi- and Trilayer Graphene Single Crystals with Varied Interlayer Rotations. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1565-1569.	13.8	82

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19	Enhanced Cycling Stability of Lithium Sulfur Batteries Using Sulfur-Polyaniline-Graphene Nanoribbon Composite Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 15033-15039.	8.0	80
20	Highly Oxidized Graphene Quantum Dots from Coal as Efficient Antioxidants. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16815-16821.	8.0	61
21	Nanoparticulate carbon black in cigarette smoke induces DNA cleavage and Th17-mediated emphysema. <i>ELife</i> , 2015, 4, e09623.	6.0	59
22	LiFePO ₄ nanoparticles encapsulated in graphene nanoshells for high-performance lithium-ion battery cathodes. <i>Chemical Communications</i> , 2014, 50, 7117.	4.1	47
23	Mechanistic Study of the Conversion of Superoxide to Oxygen and Hydrogen Peroxide in Carbon Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15086-15092.	8.0	43
24	Highly stable carbon nanoparticles designed for downhole hydrocarbon detection. <i>Energy and Environmental Science</i> , 2012, 5, 8304.	30.8	42
25	Cucurbituril Slippage: Translation is a Complex Motion. <i>Organic Letters</i> , 2010, 12, 2730-2733.	4.6	38
26	Hydrophilic carbon clusters as therapeutic, high-capacity antioxidants. <i>Trends in Biotechnology</i> , 2014, 32, 501-505.	9.3	34
27	Biocompatibility of reduced graphene oxide nanoscaffolds following acute spinal cord injury in rats. <i>ACS Applied Materials & Interfaces</i> , 2016, 7, 75.		34
28	Preferential uptake of antioxidant carbon nanoparticles by T lymphocytes for immunomodulation. <i>Scientific Reports</i> , 2016, 6, 33808.	3.3	32
29	Hexagonal Graphene Onion Rings. <i>Journal of the American Chemical Society</i> , 2013, 135, 10755-10762.	13.7	31
30	Carbon-Based Nanoreporters Designed for Subsurface Hydrogen Sulfide Detection. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7652-7658.	8.0	26
31	Calculating the Hydrodynamic Volume of Poly(ethylene oxylated) Single-Walled Carbon Nanotubes and Hydrophilic Carbon Clusters. <i>Journal of Physical Chemistry B</i> , 2013, 117, 343-354.	2.6	23
32	Functionalized Graphene Nanoribbon Films as a Radiofrequency and Optically Transparent Material. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 16661-16668.	8.0	23
33	Discovery of small molecules targeting the tandem tudor domain of the epigenetic factor UHRF1 using fragment-based ligand discovery. <i>Scientific Reports</i> , 2021, 11, 1121.	3.3	14
34	Enteral Activation of WR-2721 Mediates Radioprotection and Improved Survival from Lethal Fractionated Radiation. <i>Scientific Reports</i> , 2019, 9, 1949.	3.3	13
35	Design and construction of a stereochemically diverse piperazine-based DNA-encoded chemical library. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 48, 116387.	3.0	9
36	Processing binding data using an open-source workflow. <i>Journal of Cheminformatics</i> , 2021, 13, 99.	6.1	6

#	ARTICLE	IF	CITATIONS
37	Characterization of a novel MRâ€detectable nanoantioxidant that mitigates the recall immune response. NMR in Biomedicine, 2016, 29, 1436-1444.	2.8	5