Yilun Li

List of Publications by Year
in descending order

49 papers	6,704 citations	109137 35 h-index	205818 48 g-index
49 all docs	49 docs citations	49 times ranked	8724 citing authors

#	Article	IF	Citations
1	Manganese deception on graphene and implications in catalysis. Carbon, 2018, 132, 623-631.	5.4	54
2	Oxidized Laserâ€Induced Graphene for Efficient Oxygen Electrocatalysis. Advanced Materials, 2018, 30, e1707319.	11.1	94
3	In Situ Synthesis of Efficient Water Oxidation Catalysts in Laser-Induced Graphene. ACS Energy Letters, 2018, 3, 677-683.	8.8	91
4	Laser-Induced Graphene by Multiple Lasing: Toward Electronics on Cloth, Paper, and Food. ACS Nano, 2018, 12, 2176-2183.	7.3	607
5	High-yield single-step catalytic growth of graphene nanostripes by plasma enhanced chemical vapor deposition. Carbon, 2018, 129, 527-536.	5.4	20
6	Laser-Induced Conversion of Teflon into Fluorinated Nanodiamonds or Fluorinated Graphene. ACS Nano, 2018, 12, 1083-1088.	7.3	91
7	Composite Materials: Surfaceâ€Modified Porous Carbon Nitride Composites as Highly Efficient Electrocatalyst for Znâ€Air Batteries (Adv. Energy Mater. 1/2018). Advanced Energy Materials, 2018, 8, 1870002.	10.2	3
8	Laser-induced graphene fibers. Carbon, 2018, 126, 472-479.	5.4	287
9	Surfaceâ€Modified Porous Carbon Nitride Composites as Highly Efficient Electrocatalyst for Znâ€Air Batteries. Advanced Energy Materials, 2018, 8, 1701642.	10.2	129
10	Sulfur-Doped Laser-Induced Porous Graphene Derived from Polysulfone-Class Polymers and Membranes. ACS Nano, 2018, 12, 289-297.	7.3	211
11	Toughening Graphene by Integrating Carbon Nanotubes. ACS Nano, 2018, 12, 7901-7910.	7.3	52
12	In situ mechanical investigation of carbon nanotubeâ€“graphene junction in three-dimensional carbon nanostructures. Nanoscale, 2017, 9, 2916-2924.	2.8	41
13	Three-Dimensional Rebar Graphene. ACS Applied Materials & Interfaces, 2017, 9, 7376-7384.	4.0	46
14	Laserâ€Induced Graphene in Controlled Atmospheres: From Superhydrophilic to Superhydrophobic Surfaces. Advanced Materials, 2017, 29, 1700496.	11.1	227
15	Strained W(Se_{<i>x</i>}S_{1â€“<i>x</i>})₂ Nanoporous Films for Highly Efficient Hydrogen Evolution. ACS Energy Letters, 2017, 2, 1315-1320.	8.8	64
16	Lithium Batteries with Nearly Maximum Metal Storage. ACS Nano, 2017, 11, 6362-6369.	7.3	180
17	Laser-Induced Graphene Layers and Electrodes Prevents Microbial Fouling and Exerts Antimicrobial Action. ACS Applied Materials & Interfaces, 2017, 9, 18238-18247.	4.0	176
18	Three-Dimensional Printed Graphene Foams. ACS Nano, 2017, 11, 6860-6867.	7.3	172

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19	A freestanding NiS_xporous film as a binder-free electrode for Mg-ion batteries. Chemical Communications, 2017, 53, 7608-7611.	2.2	54
20	Chemically interconnected light-weight 3D-carbon nanotube solid network. Carbon, 2017, 119, 142-149.	5.4	20
21	Polyimide derived laser-induced graphene as adsorbent for cationic and anionic dyes. Carbon, 2017, 124, 515-524.	5.4	88
22	NiS₂/FeS Holey Film as Freestanding Electrode for Highâ€Performance Lithium Battery. Advanced Energy Materials, 2017, 7, 1701309.	10.2	99
23	Laserâ€Induced Graphene Formation on Wood. Advanced Materials, 2017, 29, 1702211.	11.1	397
24	Germanium on seamless graphene carbon nanotube hybrids for lithium ion anodes. Carbon, 2017, 123, 433-439.	5.4	35
25	Efficient Water-Splitting Electrodes Based on Laser-Induced Graphene. ACS Applied Materials & Interfaces, 2017, 9, 26840-26847.	4.0	103
26	Increased CO2 selectivity of asphalt-derived porous carbon through introduction of water into pore space. Nature Energy, 2017, 2, 932-938.	19.8	31
27	Lithium Batteries: NiS₂/FeS Holey Film as Freestanding Electrode for Highâ€Performance Lithium Battery (Adv. Energy Mater. 22/2017). Advanced Energy Materials, 2017, 7, .	10.2	0
28	Ultraâ€High Surface Area Activated Porous Asphalt for CO₂ Capture through Competitive Adsorption at High Pressures. Advanced Energy Materials, 2017, 7, 1600693.	10.2	87
29	Passive Anti-Icing and Active Deicing Films. ACS Applied Materials & Interfaces, 2016, 8, 14169-14173.	4.0	143
30	Nitrogen-doped carbonized cotton for highly flexible supercapacitors. Carbon, 2016, 105, 260-267.	5.4	108
31	Microwave Heating of Functionalized Graphene Nanoribbons in Thermoset Polymers for Wellbore Reinforcement. ACS Applied Materials & Interfaces, 2016, 8, 12985-12991.	4.0	29
32	Sandwich structured graphene-wrapped FeS-graphene nanoribbons with improved cycling stability for lithium ion batteries. Nano Research, 2016, 9, 2904-2911.	5.8	52
33	Highâ€Performance Pseudocapacitive Microsupercapacitors from Laserâ€Induced Graphene. Advanced Materials, 2016, 28, 838-845.	11.1	439
34	Highâ€Performance Hydrogen Evolution from MoS_{2(1â€“<i>x</i>)}P<i>_x</i> Solid Solution. Advanced Materials, 2016, 28, 1427-1432.	11.1	309
35	Biochar as a renewable source for high-performance CO2 sorbent. Carbon, 2016, 107, 344-351.	5.4	94
36	Rivet Graphene. ACS Nano, 2016, 10, 7307-7313.	7.3	20

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37	Growth and Transfer of Seamless 3D Grapheneâ€“Nanotube Hybrids. Nano Letters, 2016, 16, 1287-1292.	4.5	26
38	Preparation of Three-Dimensional Graphene Foams Using Powder Metallurgy Templates. ACS Nano, 2016, 10, 1411-1416.	7.3	117
39	Growing Carbon Nanotubes from Both Sides of Graphene. ACS Applied Materials & Interfaces, 2016, 8, 7356-7362.	4.0	34
40	Vertically Aligned WS₂ Nanosheets for Water Splitting. Advanced Functional Materials, 2015, 25, 6199-6204.	7.8	108
41	Enhanced Cycling Stability of Lithiumâ€Ion Batteries Using Grapheneâ€Wrapped Fe₃O₄â€Graphene Nanoribbons as Anode Materials. Advanced Energy Materials, 2015, 5, 1500171.	10.2	133
42	Asphalt-Derived High Surface Area Activated Porous Carbons for Carbon Dioxide Capture. ACS Applied Materials & Interfaces, 2015, 7, 1376-1382.	4.0	108
43	Flexible Boron-Doped Laser-Induced Graphene Microsupercapacitors. ACS Nano, 2015, 9, 5868-5875.	7.3	542
44	<i>In Situ</i> Formation of Metal Oxide Nanocrystals Embedded in Laser-Induced Graphene. ACS Nano, 2015, 9, 9244-9251.	7.3	198
45	Rebar Graphene from Functionalized Boron Nitride Nanotubes. ACS Nano, 2015, 9, 532-538.	7.3	29
46	Chirality-specific growth of single-walled carbon nanotubes on solid alloy catalysts. Nature, 2014, 510, 522-524.	13.7	677
47	Dispersing Carbon-Based Nanomaterials in Aqueous Phase by Graphene Oxides. Langmuir, 2013, 29, 13527-13534.	1.6	34
48	Composites of Functional Poly(phenylacetylene)s and Single-Walled Carbon Nanotubes: Preparation, Dispersion, and Near Infrared Photoresponsive Properties. Macromolecules, 2013, 46, 8479-8487.	2.2	29
49	Photoluminescence from Exciton Energy Transfer of Single-Walled Carbon Nanotube Bundles Dispersed in Ionic Liquids. Journal of Physical Chemistry C, 2012, 116, 22028-22035.	1.5	16