

# Yilun Li

## List of Publications by Year in descending order

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49  
papers

6,704  
citations

109321

35  
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49  
docs citations

49  
times ranked

8724  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chirality-specific growth of single-walled carbon nanotubes on solid alloy catalysts. <i>Nature</i> , 2014, 510, 522-524.	27.8	677
2	Laser-Induced Graphene by Multiple Lasing: Toward Electronics on Cloth, Paper, and Food. <i>ACS Nano</i> , 2018, 12, 2176-2183.	14.6	607
3	Flexible Boron-Doped Laser-Induced Graphene Microsupercapacitors. <i>ACS Nano</i> , 2015, 9, 5868-5875.	14.6	542
4	High-Performance Pseudocapacitive Microsupercapacitors from Laser-Induced Graphene. <i>Advanced Materials</i> , 2016, 28, 838-845.	21.0	439
5	Laser-Induced Graphene Formation on Wood. <i>Advanced Materials</i> , 2017, 29, 1702211.	21.0	397
6	High-Performance Hydrogen Evolution from MoS <sub>2</sub> (1 <sup>st</sup> <i>in situ</i> ) / Solid Solution. <i>Advanced Materials</i> , 2016, 28, 1427-1432.	21.0	309
7	Laser-induced graphene fibers. <i>Carbon</i> , 2018, 126, 472-479.	10.3	287
8	Laser-Induced Graphene in Controlled Atmospheres: From Superhydrophilic to Superhydrophobic Surfaces. <i>Advanced Materials</i> , 2017, 29, 1700496.	21.0	227
9	Sulfur-Doped Laser-Induced Porous Graphene Derived from Polysulfone-Class Polymers and Membranes. <i>ACS Nano</i> , 2018, 12, 289-297.	14.6	211
10	<i>In Situ</i> Formation of Metal Oxide Nanocrystals Embedded in Laser-Induced Graphene. <i>ACS Nano</i> , 2015, 9, 9244-9251.	14.6	198
11	Lithium Batteries with Nearly Maximum Metal Storage. <i>ACS Nano</i> , 2017, 11, 6362-6369.	14.6	180
12	Laser-Induced Graphene Layers and Electrodes Prevents Microbial Fouling and Exerts Antimicrobial Action. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 18238-18247.	8.0	176
13	Three-Dimensional Printed Graphene Foams. <i>ACS Nano</i> , 2017, 11, 6860-6867.	14.6	172
14	Passive Anti-Icing and Active Deicing Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 14169-14173.	8.0	143
15	Enhanced Cycling Stability of Lithium-Ion Batteries Using Graphene-Wrapped Fe <sub>3</sub> O <sub>4</sub> Graphene Nanoribbons as Anode Materials. <i>Advanced Energy Materials</i> , 2015, 5, 1500171.	19.5	133
16	Surface-Modified Porous Carbon Nitride Composites as Highly Efficient Electrocatalyst for Zn-Air Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1701642.	19.5	129
17	Preparation of Three-Dimensional Graphene Foams Using Powder Metallurgy Templates. <i>ACS Nano</i> , 2016, 10, 1411-1416.	14.6	117
18	Vertically Aligned WS <sub>2</sub> Nanosheets for Water Splitting. <i>Advanced Functional Materials</i> , 2015, 25, 6199-6204.	14.9	108

#	ARTICLE	IF	CITATIONS
19	Asphalt-Derived High Surface Area Activated Porous Carbons for Carbon Dioxide Capture. ACS Applied Materials & Interfaces, 2015, 7, 1376-1382.	8.0	108
20	Nitrogen-doped carbonized cotton for highly flexible supercapacitors. Carbon, 2016, 105, 260-267.	10.3	108
21	Efficient Water-Splitting Electrodes Based on Laser-Induced Graphene. ACS Applied Materials & Interfaces, 2017, 9, 26840-26847.	8.0	103
22	NiS <sub>2</sub> /FeS Holey Film as Freestanding Electrode for High-Performance Lithium Battery. Advanced Energy Materials, 2017, 7, 1701309.	19.5	99
23	Biochar as a renewable source for high-performance CO <sub>2</sub> sorbent. Carbon, 2016, 107, 344-351.	10.3	94
24	Oxidized Laser-Induced Graphene for Efficient Oxygen Electrocatalysis. Advanced Materials, 2018, 30, e1707319.	21.0	94
25	In Situ Synthesis of Efficient Water Oxidation Catalysts in Laser-Induced Graphene. ACS Energy Letters, 2018, 3, 677-683.	17.4	91
26	Laser-Induced Conversion of Teflon into Fluorinated Nanodiamonds or Fluorinated Graphene. ACS Nano, 2018, 12, 1083-1088.	14.6	91
27	Polyimide derived laser-induced graphene as adsorbent for cationic and anionic dyes. Carbon, 2017, 124, 515-524.	10.3	88
28	Ultra-High Surface Area Activated Porous Asphalt for CO <sub>2</sub> Capture through Competitive Adsorption at High Pressures. Advanced Energy Materials, 2017, 7, 1600693.	19.5	87
29	Strained W(Se) <sub>2</sub> S <sub>2</sub> Nanoporous Films for Highly Efficient Hydrogen Evolution. ACS Energy Letters, 2017, 2, 1315-1320.	17.4	64
30	A freestanding NiS <sub>x</sub> porous film as a binder-free electrode for Mg-ion batteries. Chemical Communications, 2017, 53, 7608-7611.	4.1	54
31	Manganese deception on graphene and implications in catalysis. Carbon, 2018, 132, 623-631.	10.3	54
32	Sandwich structured graphene-wrapped FeS-graphene nanoribbons with improved cycling stability for lithium ion batteries. Nano Research, 2016, 9, 2904-2911.	10.4	52
33	Toughening Graphene by Integrating Carbon Nanotubes. ACS Nano, 2018, 12, 7901-7910.	14.6	52
34	Three-Dimensional Rebar Graphene. ACS Applied Materials & Interfaces, 2017, 9, 7376-7384.	8.0	46
35	In situ mechanical investigation of carbon nanotube-graphene junction in three-dimensional carbon nanostructures. Nanoscale, 2017, 9, 2916-2924.	5.6	41
36	Germanium on seamless graphene carbon nanotube hybrids for lithium ion anodes. Carbon, 2017, 123, 433-439.	10.3	35

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37	Dispersing Carbon-Based Nanomaterials in Aqueous Phase by Graphene Oxides. <i>Langmuir</i> , 2013, 29, 13527-13534.	3.5	34
38	Growing Carbon Nanotubes from Both Sides of Graphene. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 7356-7362.	8.0	34
39	Increased CO <sub>2</sub> selectivity of asphalt-derived porous carbon through introduction of water into pore space. <i>Nature Energy</i> , 2017, 2, 932-938.	39.5	31
40	Composites of Functional Poly(phenylacetylene)s and Single-Walled Carbon Nanotubes: Preparation, Dispersion, and Near Infrared Photoresponsive Properties. <i>Macromolecules</i> , 2013, 46, 8479-8487.	4.8	29
41	Rebar Graphene from Functionalized Boron Nitride Nanotubes. <i>ACS Nano</i> , 2015, 9, 532-538.	14.6	29
42	Microwave Heating of Functionalized Graphene Nanoribbons in Thermoset Polymers for Wellbore Reinforcement. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 12985-12991.	8.0	29
43	Growth and Transfer of Seamless 3D Graphene-Nanotube Hybrids. <i>Nano Letters</i> , 2016, 16, 1287-1292.	9.1	26
44	Rivet Graphene. <i>ACS Nano</i> , 2016, 10, 7307-7313.	14.6	20
45	Chemically interconnected light-weight 3D-carbon nanotube solid network. <i>Carbon</i> , 2017, 119, 142-149.	10.3	20
46	High-yield single-step catalytic growth of graphene nanostripes by plasma enhanced chemical vapor deposition. <i>Carbon</i> , 2018, 129, 527-536.	10.3	20
47	Photoluminescence from Exciton Energy Transfer of Single-Walled Carbon Nanotube Bundles Dispersed in Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22028-22035.	3.1	16
48	Composite Materials: Surface-Modified Porous Carbon Nitride Composites as Highly Efficient Electrocatalyst for Zn-Air Batteries ( <i>Adv. Energy Mater.</i> 1/2018). <i>Advanced Energy Materials</i> , 2018, 8, 1870002.	19.5	3
49	Lithium Batteries: NiS <sub>2</sub> /FeS Holey Film as Freestanding Electrode for High-Performance Lithium Battery ( <i>Adv. Energy Mater.</i> 22/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	19.5	0