Huiliang Wang

List of Publications by Year
in descending order

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31 papers	8,722 citations	201575 27 h-index	434063 31 g-index
31 all docs	31 docs citations	31 times ranked	13796 citing authors

#	Article	IF	Citations
1	Overcoming barriers in non-viral gene delivery for neurological applications. Nanoscale, 2022, 14, 3698-3719.	2.8	21
2	Ultrasound triggered organic mechanoluminescence materials. Advanced Drug Delivery Reviews, 2022, 186, 114343.	6.6	14
3	Design of hydrogel-based wearable EEG electrodes for medical applications. Journal of Materials Chemistry B, 2022, 10, 7260-7280.	2.9	25
4	How is flexible electronics advancing neuroscience research?. Biomaterials, 2021, 268, 120559.	5.7	32
5	Controllable fusion of human brain organoids using acoustofluidics. Lab on A Chip, 2021, 21, 688-699.	3.1	55
6	Genetically targeted chemical assembly of functional materials in living cells, tissues, and animals. Science, 2020, 367, 1372-1376.	6.0	132
7	Solid-phase esterification between poly(vinyl alcohol) and malonic acid and its function in toughening hydrogels. Polymer Chemistry, 2020, 11, 4787-4797.	1.9	20
8	Sono-optogenetics facilitated by a circulation-delivered rechargeable light source for minimally invasive optogenetics. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26332-26342.	3.3	118
9	Soft and elastic hydrogel-based microelectronics for localized low-voltage neuromodulation. Nature Biomedical Engineering, 2019, 3, 58-68.	11.6	499
10	Next-generation probes, particles, and proteins for neural interfacing. Science Advances, 2017, 3, e1601649.	4.7	377
11	Mechanically Durable and Highly Stretchable Transistors Employing Carbon Nanotube Semiconductor and Electrodes. Advanced Materials, 2016, 28, 4441-4448.	11.1	234
12	Shapeâ€Controlled, Selfâ€Wrapped Carbon Nanotube 3D Electronics. Advanced Science, 2015, 2, 1500103.	5.6	32
13	Largeâ€Area Assembly of Densely Aligned Singleâ€Walled Carbon Nanotubes Using Solution Shearing and Their Application to Fieldâ€Effect Transistors. Advanced Materials, 2015, 27, 2656-2662.	11.1	123
14	Conjugated polymer sorting of semiconducting carbon nanotubes and their electronic applications. Nano Today, 2015, 10, 737-758.	6.2	111
15	Nâ€Type Conjugated Polymerâ€Enabled Selective Dispersion of Semiconducting Carbon Nanotubes for Flexible CMOSâ€Like Circuits. Advanced Functional Materials, 2015, 25, 1837-1844.	7.8	32
16	Significant Enhancement of Infrared Photodetector Sensitivity Using a Semiconducting Singleâ€Walled Carbon Nanotube/C₆₀ Phototransistor. Advanced Materials, 2015, 27, 759-765.	11.1	133
17	Diketopyrrolopyrrole (DPP)â€Based Donorâ€“Acceptor Polymers for Selective Dispersion of Largeâ€Diameter Semiconducting Carbon Nanotubes. Small, 2015, 11, 2946-2954.	5.2	47
18	H-Bonded Supramolecular Polymer for the Selective Dispersion and Subsequent Release of Large-Diameter Semiconducting Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2015, 137, 4328-4331.	6.6	111

#	Article	IF	Citations
19	A skin-inspired organic digital mechanoreceptor. Science, 2015, 350, 313-316.	6.0	708
20	Solvent Effects on Polymer Sorting of Carbon Nanotubes with Applications in Printed Electronics. Small, 2015, 11, 126-133.	5.2	69
21	High-Yield Sorting of Small-Diameter Carbon Nanotubes for Solar Cells and Transistors. ACS Nano, 2014, 8, 2609-2617.	7.3	91
22	Tuning the threshold voltage of carbon nanotube transistors by n-type molecular doping for robust and flexible complementary circuits. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4776-4781.	3.3	179
23	Highly Stable Carbon Nanotube Topâ€Gate Transistors with Tunable Threshold Voltage. Advanced Materials, 2014, 26, 4588-4593.	11.1	53
24	Scalable and Selective Dispersion of Semiconducting Arc-Discharged Carbon Nanotubes by Dithiafulvalene/Thiophene Copolymers for Thin Film Transistors. ACS Nano, 2013, 7, 2659-2668.	7.3	88
25	Flexible polymer transistors with high pressure sensitivity for application in electronic skin and health monitoring. Nature Communications, 2013, 4, 1859.	5.8	1,713
26	Highly Effective Separation of Semiconducting Carbon Nanotubes verified via Short-Channel Devices Fabricated Using Dip-Pen Nanolithography. ACS Nano, 2012, 6, 2487-2496.	7.3	61
27	Hierarchical nanostructured conducting polymer hydrogel with high electrochemical activity. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9287-9292.	3.3	1,025
28	Selective dispersion of high purity semiconducting single-walled carbon nanotubes with regioregular poly(3-alkylthiophene)s. Nature Communications, 2011, 2, 541.	5.8	333
29	Solution-Processed Graphene/MnO₂ Nanostructured Textiles for High-Performance Electrochemical Capacitors. Nano Letters, 2011, 11, 2905-2911.	4.5	1,195
30	Enhancing the Supercapacitor Performance of Graphene/MnO₂ Nanostructured Electrodes by Conductive Wrapping. Nano Letters, 2011, 11, 4438-4442.	4.5	1,062
31	High-Performance Field Effect Transistors from Solution Processed Carbon Nanotubes. ACS Nano, 2010, 4, 6659-6664.	7.3	29