Na Li

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3309944/publications.pdf

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24	4,817	257450 24	580821 25
papers	citations	h-index	g-index

25	25	25	5775
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Artificial Muscles from Fishing Line and Sewing Thread. Science, 2014, 343, 868-872.	12.6	1,006
2	Electrically, Chemically, and Photonically Powered Torsional and Tensile Actuation of Hybrid Carbon Nanotube Yarn Muscles. Science, 2012, 338, 928-932.	12.6	585
3	Three-dimensionally bonded spongy graphene material with super compressive elasticity and near-zero Poissonâ€™s ratio. Nature Communications, 2015, 6, 6141.	12.8	458
4	Harvesting electrical energy from carbon nanotube yarn twist. Science, 2017, 357, 773-778.	12.6	306
5	Efficient and large-scale synthesis of few-layered graphene using an arc-discharge method and conductivity studies of the resulting films. Nano Research, 2010, 3, 661-669.	10.4	269
6	New twist on artificial muscles. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11709-11716.	7.1	254
7	Sheath-run artificial muscles. Science, 2019, 365, 150-155.	12.6	218
8	Electrical Power From Nanotube and Graphene Electrochemical Thermal Energy Harvesters. Advanced Functional Materials, 2012, 22, 477-489.	14.9	180
9	Carbon Nanotube â€“ Reduced Graphene Oxide Composites for Thermal Energy Harvesting Applications. Advanced Materials, 2013, 25, 6602-6606.	21.0	178
10	High Power Density Electrochemical Thermocells for Inexpensively Harvesting Lowâ€Grade Thermal Energy. Advanced Materials, 2017, 29, 1605652.	21.0	166
11	Highâ€Performance Biscrolled MXene/Carbon Nanotube Yarn Supercapacitors. Small, 2018, 14, e1802225.	10.0	158
12	Electromechanical Actuator with Controllable Motion, Fast Response Rate, and High-Frequency Resonance Based on Graphene and Polydiacetylene. ACS Nano, 2012, 6, 4508-4519.	14.6	141
13	Torsional refrigeration by twisted, coiled, and supercoiled fibers. Science, 2019, 366, 216-221.	12.6	133
14	Direct and large scale electric arc discharge synthesis of boron and nitrogen doped single-walled carbon nanotubes and their electronic properties. Carbon, 2009, 47, 2112-2115.	10.3	113
15	Electrochemically Powered, Energyâ€Conserving Carbon Nanotube Artificial Muscles. Advanced Materials, 2017, 29, 1700870.	21.0	110
16	Unipolar stroke, electroosmotic pump carbon nanotube yarn muscles. Science, 2021, 371, 494-498.	12.6	110
17	Strong, Twistâ€Stable Carbon Nanotube Yarns and Muscles by Tension Annealing at Extreme Temperatures. Advanced Materials, 2016, 28, 6598-6605.	21.0	100
18	Towards ionic liquid-based thermoelectrochemical cells for the harvesting of thermal energy. Electrochimica Acta, 2013, 113, 87-93.	5.2	81

#	Article	IF	Citations
19	Largeâ€Stroke Electrochemical Carbon Nanotube/Graphene Hybrid Yarn Muscles. Small, 2018, 14, e1801883.	10.0	50
20	Polarâ€Electrodeâ€Bridged Electroluminescent Displays: 2D Sensors Remotely Communicating Optically. Advanced Materials, 2017, 29, 1703552.	21.0	49
21	Facile and Scalable Fabrication of Wellâ€Aligned and Closely Packed Singleâ€Walled Carbon Nanotube Films on Various Substrates. Advanced Materials, 2010, 22, 3067-3070.	21.0	45
22	Simple and strong: twisted silver painted nylon artificial muscle actuated by Joule heating. Proceedings of SPIE, 2014, , .	0.8	44
23	Enhancing the Work Capacity of Electrochemical Artificial Muscles by Coiling Plies of Twist-Released Carbon Nanotube Yarns. ACS Applied Materials & Interfaces, 2019, 11, 13533-13537.	8.0	34
24	Synthesis of semiconducting SWNTs by arc discharge and their enhancement of water splitting performance with TiO2 photocatalyst. Carbon, 2011, 49, 5132-5141.	10.3	25