

Michael Vosgueritchian

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

9,147
citations

430442

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752256

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all docs

20
docs citations

20
times ranked

14111
citing authors

#	ARTICLE	IF	CITATIONS
1	Surpassing the Exciton Diffusion Limit in Single-Walled Carbon Nanotube Sensitized Solar Cells. ACS Nano, 2016, 10, 11258-11265.	7.3	22
2	Significant Enhancement of Infrared Photodetector Sensitivity Using a Semiconducting Single-Walled Carbon Nanotube/C ₆₀ Phototransistor. Advanced Materials, 2015, 27, 759-765.	11.1	133
3	Highly Stretchable Transistors Using a Microcracked Organic Semiconductor. Advanced Materials, 2014, 26, 4253-4259.	11.1	200
4	High-Yield Sorting of Small-Diameter Carbon Nanotubes for Solar Cells and Transistors. ACS Nano, 2014, 8, 2609-2617.	7.3	91
5	High-Mobility, Aligned Crystalline Domains of TIPS-Pentacene with Metastable Polymorphs Through Lateral Confinement of Crystal Growth. Advanced Materials, 2014, 26, 487-493.	11.1	186
6	Solution-grown aligned C ₆₀ single-crystals for field-effect transistors. Journal of Materials Chemistry C, 2014, 2, 3617.	2.7	46
7	Stretchable Energy-Harvesting Tactile Electronic Skin Capable of Differentiating Multiple Mechanical Stimuli Modes. Advanced Materials, 2014, 26, 7324-7332.	11.1	481
8	Light-emitting electronic skin. Nature Photonics, 2013, 7, 769-771.	15.6	82
9	Using Nitrile Functional Groups to Replace Amines for Solution-Deposited Single-Walled Carbon Nanotube Network Films. ACS Nano, 2012, 6, 4845-4853.	7.3	16
10	Evaluation of Solution-Processable Carbon-Based Electrodes for All-Carbon Solar Cells. ACS Nano, 2012, 6, 10384-10395.	7.3	154
11	Toward mechanically robust and intrinsically stretchable organic solar cells: Evolution of photovoltaic properties with tensile strain. Solar Energy Materials and Solar Cells, 2012, 107, 355-365.	3.0	154
12	Electronic Properties of Transparent Conductive Films of PEDOT:PSS on Stretchable Substrates. Chemistry of Materials, 2012, 24, 373-382.	3.2	503
13	Strong and Stable Doping of Carbon Nanotubes and Graphene by MoO ₃ for Transparent Electrodes. Nano Letters, 2012, 12, 3574-3580.	4.5	146
14	Highly Conductive and Transparent PEDOT:PSS Films with a Fluorosurfactant for Stretchable and Flexible Transparent Electrodes. Advanced Functional Materials, 2012, 22, 421-428.	7.8	1,026
15	Skin-like pressure and strain sensors based on transparent elastic films of carbon nanotubes. Nature Nanotechnology, 2011, 6, 788-792.	15.6	2,839
16	Solution-Processed Graphene/MnO ₂ Nanostructured Textiles for High-Performance Electrochemical Capacitors. Nano Letters, 2011, 11, 2905-2911.	4.5	1,195
17	Enhancing the Supercapacitor Performance of Graphene/MnO ₂ Nanostructured Electrodes by Conductive Wrapping. Nano Letters, 2011, 11, 4438-4442.	4.5	1,062
18	Stretchable Organic Solar Cells. Advanced Materials, 2011, 23, 1771-1775.	11.1	754

#	ARTICLE	IF	CITATIONS
19	Switchable Wettability: Stretchable Organic Solar Cells (Adv. Mater. 15/2011). Advanced Materials, 2011, 23, 1770-1770.	11.1	3
20	Effect of Surface Chemistry on Electronic Properties of Carbon Nanotube Network Thin Film Transistors. ACS Nano, 2010, 4, 6137-6145.	7.3	54