

Vanessa Leung

List of Publications by Year in descending order

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14
papers

277
citations

1040056

9
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

397
citing authors

#	ARTICLE	IF	CITATIONS
1	Spontaneous Four-Wave Mixing of de Broglie Waves: Beyond Optics. Physical Review Letters, 2010, 104, 150402.	7.8	47
2	Artificial Muscle Devices: Innovations and Prospects for Fecal Incontinence Treatment. Annals of Biomedical Engineering, 2016, 44, 1355-1369.	2.5	47
3	Siloxane-based thin films for biomimetic low-voltage dielectric actuators. Sensors and Actuators A: Physical, 2015, 233, 32-41.	4.1	38
4	Microtrap arrays on magnetic film atom chips for quantum information science. Quantum Information Processing, 2011, 10, 955-974.	2.2	35
5	Interplay between multiple scattering, emission, and absorption of light in the phosphor of a white light-emitting diode. Optics Express, 2014, 22, 8190.	3.4	33
6	Species-selective microwave cooling of a mixture of rubidium and caesium atoms. New Journal of Physics, 2007, 9, 147-147.	2.9	23
7	Magnetic hexapole lens focusing of a metastable helium atomic beam for UV-free lithography. Applied Physics B: Lasers and Optics, 2007, 86, 491-496.	2.2	12
8	Molecular beam deposition of high-permittivity polydimethylsiloxane for nanometer-thin elastomer films in dielectric actuators. Materials and Design, 2016, 105, 106-113.	7.0	12
9	Morphology and conductivity of Au films on polydimethylsiloxane using (3-mercaptopropyl)trimethoxysilane (MPTMS) as an adhesion promoter. Proceedings of SPIE, 2016, , .	0.8	9
10	Nanomechanical probing of thin-film dielectric elastomer transducers. Applied Physics Letters, 2017, 111, .	3.3	7
11	Time-Resolved Plasmonics used to Online Monitor Metal/Elastomer Deposition for Low-Voltage Dielectric Elastomer Transducers. Advanced Electronic Materials, 2017, 3, 1700073.	5.1	6
12	Micro- and nanostructured electro-active polymer actuators as smart muscles for incontinence treatment. AIP Conference Proceedings, 2015, , .	0.4	5
13	Biomimetic artificial sphincter muscles: status and challenges. Proceedings of SPIE, 2016, , .	0.8	3
14	Nanostructure Formation: Time-Resolved Plasmonics used to Online Monitor Metal/Elastomer Deposition for Low-Voltage Dielectric Elastomer Transducers (Adv. Electron. Mater. 8/2017). Advanced Electronic Materials, 2017, 3, .	5.1	0