Alexander E Marras

List of Publications by Year
in descending order

25	1,137	623734 14	752698 20
papers	citations	h-index	g-index

35	35	35	1090
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Translocation Behaviors of Synthetic Polyelectrolytes through Alpha-Hemolysin (Î±-HL) and Mycobacterium smegmatis Porin A (MspA) Nanopores. Journal of the Electrochemical Society, 2022, 169, 057510.	2.9	1
2	Advances in the Structural Design of Polyelectrolyte Complex Micelles. Journal of Physical Chemistry B, 2021, 125, 7076-7089.	2.6	31
3	Physical Property Scaling Relationships for Polyelectrolyte Complex Micelles. Macromolecules, 2021, 54, 6585-6594.	4.8	20
4	Impact of wet-dry cycling on the phase behavior and compartmentalization properties of complex coacervates. Nature Communications, 2020, 11, 5423.	12.8	33
5	Assembly and Characterization of Polyelectrolyte Complex Micelles. Journal of Visualized Experiments, 2020, , .	0.3	6
6	Comparing Zwitterionic and PEG Exteriors of Polyelectrolyte Complex Micelles. Molecules, 2020, 25, 2553.	3.8	11
7	Polyelectrolyte Complexation of Oligonucleotides by Charged Hydrophobicâ€"Neutral Hydrophilic Block Copolymers. Polymers, 2019, 11, 83.	4.5	39
8	Real-time magnetic actuation of DNA nanodevices via modular integration with stiff micro-levers. Nature Communications, 2018, 9, 1446.	12.8	105
9	Three-dimensional structural dynamics of DNA origami Bennett linkages using individual-particle electron tomography. Nature Communications, 2018, 9, 592.	12.8	48
10	Paper Origamiâ€Inspired Design and Actuation of DNA Nanomachines with Complex Motions. Small, 2018, 14, e1802580.	10.0	32
11	Cation-Activated Avidity for Rapid Reconfiguration of DNA Nanodevices. ACS Nano, 2018, 12, 9484-9494.	14.6	54
12	Projection kinematic analysis of DNA origami mechanisms based on a two-dimensional TEM image. Mechanism and Machine Theory, 2017, 109, 22-38.	4.5	6
13	Fabricating and Actuating DNA Origami Mechanisms. Biophysical Journal, 2017, 112, 301a.	0.5	0
14	The Kinematic Principle for Designing Deoxyribose Nucleic Acid Origami Mechanisms: Challenges and Opportunities1. Journal of Mechanical Design, Transactions of the ASME, 2017, 139, .	2.9	6
15	Directing folding pathways for multi-component DNA origami nanostructures with complex topology. New Journal of Physics, 2016, 18, 055005.	2.9	33
16	Pseudorigid-Body Models of Compliant DNA Origami Mechanisms. Journal of Mechanisms and Robotics, 2016, 8, .	2.2	13
17	The Kinematic Principle for Designing DNA Origami Mechanisms: Challenges and Opportunities. , 2015, , .		1
18	Pseudo-Rigid-Body Models of Compliant DNA Origami Mechanisms. , 2015, , .		1

#	Article	IF	Citations
19	Programmable motion of DNA origami mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 713-718.	7.1	341
20	Direct Design of an Energy Landscape with Bistable DNA Origami Mechanisms. Nano Letters, 2015, 15, 1815-1821.	9.1	61
21	Mechanical design of DNA nanostructures. Nanoscale, 2015, 7, 5913-5921.	5.6	120
22	DNA Origami Compliant Nanostructures with Tunable Mechanical Properties. ACS Nano, 2014, 8, 27-34.	14.6	114
23	Detection of Extracellular RNAs in Cancer and Viral Infection via Tethered Cationic Lipoplex Nanoparticles Containing Molecular Beacons. Analytical Chemistry, 2013, 85, 11265-11274.	6.5	56
24	Design of DNA Origami Machines and Mechanisms. , 2012, , .		1
25	Design and Fabrication of DNA Origami Mechanisms and Machines. , 2012, , 487-500.		3