Boya Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8090071/publications.pdf

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17	636	840776 11	996975 15
papers	citations	h-index	g-index

19	19	19	1019
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Al/Ti Synergistic Doping Enhanced Cycle Stability of Liâ€Rich Layered Oxides. Advanced Functional Materials, 2022, 32, .	14.9	29
2	A Heterostructureâ€Inâ€Built Multichambered Host Architecture Enabled by Topochemical Selfâ€Nitridation for Rechargeable Lithiated Siliconâ€Polysulfide Full Battery. Advanced Functional Materials, 2021, 31, 2103456.	14.9	15
3	A Heterostructureâ€Inâ€Built Multichambered Host Architecture Enabled by Topochemical Selfâ€Nitridation for Rechargeable Lithiated Siliconâ€Polysulfide Full Battery (Adv. Funct. Mater. 41/2021). Advanced Functional Materials, 2021, 31, 2170306.	14.9	0
4	DNA punch cards for storing data on native DNA sequences via enzymatic nicking. Nature Communications, 2020, 11, 1742.	12.8	70
5	SIMD||DNA: Single Instruction, Multiple Data Computation with DNA Strand Displacement Cascades. Lecture Notes in Computer Science, 2019, , 219-235.	1.3	10
6	Electrochemical Kinetics and Cycle Stability Improvement with Nb Doping for Lithium-Rich Layered Oxides. ACS Applied Energy Materials, 2019, 2, 503-512.	5.1	88
7	Effective design principles for leakless strand displacement systems. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E12182-E12191.	7.1	94
8	The Design Space of Strand Displacement Cascades with Toehold-Size Clamps. Lecture Notes in Computer Science, 2017, , 64-81.	1.3	8
9	Targetâ€Specific 3D DNA Gatekeepers for Biomimetic Nanopores. Advanced Materials, 2015, 27, 2090-2095.	21.0	76
10	Real-time monitoring of enzyme-free strand displacement cascades by colorimetric assays. Nanoscale, 2015, 7, 5719-5725.	5.6	25
11	A facile method to fabricate Al4B2O9 whiskers on porous SiC substrates for gasâ€“solid separation. Journal of Advanced Ceramics, 2015, 4, 232-236.	17.4	2
12	Dual stimuli-responsive nano-vehicles for controlled drug delivery: mesoporous silica nanoparticles end-capped with natural chitosan. Chemical Communications, 2014, 50, 13268-13271.	4.1	72
13	Sensitive and Bidirectional Detection of Urine Telomerase Based on the Four Detection-Color States of Difunctional Gold Nanoparticle Probe. Analytical Chemistry, 2014, 86, 9781-9785.	6.5	76
14	Speeding up the self-assembly of a DNA nanodevice using a variety of polar solvents. Nanoscale, 2014, 6, 14153-14157.	5.6	13
15	Imparting biomolecules to a metal-organic framework material by controlled DNA tetrahedron encapsulation. Scientific Reports, 2014, 4, 5929.	3.3	29
16	Electrochemical biocomputing: a new class of molecular-electronic logic devices. Soft Matter, 2013, 9, 6571.	2.7	22
17	Synergistic Structural Engineering of Tunnelâ€Type Polyantimonic Acid Enables Dualâ€Boosted Volumetric and Areal Lithium Energy Storage. Advanced Energy Materials, 0, , 2200653.	19.5	6