

Boya Wang

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

636
citations

840776

11
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

1019
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Target-Specific 3D DNA Gatekeepers for Biomimetic Nanopores. Advanced Materials, 2015, 27, 2090-2095.	21.0	76
5	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
6	DNA punch cards for storing data on native DNA sequences via enzymatic nicking. Nature Communications, 2020, 11, 1742.	12.8	70
7	Imparting biomolecules to a metal-organic framework material by controlled DNA tetrahedron encapsulation. Scientific Reports, 2014, 4, 5929.	3.3	29
8	Al/Ti Synergistic Doping Enhanced Cycle Stability of Li-Rich Layered Oxides. Advanced Functional Materials, 2022, 32, .	14.9	29
9	Real-time monitoring of enzyme-free strand displacement cascades by colorimetric assays. Nanoscale, 2015, 7, 5719-5725.	5.6	25
10	Electrochemical biocomputing: a new class of molecular-electronic logic devices. Soft Matter, 2013, 9, 6571.	2.7	22
11	A Heterostructure-Built Multichambered Host Architecture Enabled by Topochemical Self-Nitridation for Rechargeable Lithiated Silicon-Polysulfide Full Battery. Advanced Functional Materials, 2021, 31, 2103456.	14.9	15
12	Speeding up the self-assembly of a DNA nanodevice using a variety of polar solvents. Nanoscale, 2014, 6, 14153-14157.	5.6	13
13	SIMD DNA: Single Instruction, Multiple Data Computation with DNA Strand Displacement Cascades. Lecture Notes in Computer Science, 2019, , 219-235.	1.3	10
14	The Design Space of Strand Displacement Cascades with Toehold-Size Clamps. Lecture Notes in Computer Science, 2017, , 64-81.	1.3	8
15	Synergistic Structural Engineering of Tunnel-Type Polyantimonic Acid Enables Dual-Boosted Volumetric and Areal Lithium Energy Storage. Advanced Energy Materials, 0, , 2200653.	19.5	6
16	A facile method to fabricate Al ₄ B ₂ O ₉ whiskers on porous SiC substrates for gas-solid separation. Journal of Advanced Ceramics, 2015, 4, 232-236.	17.4	2
17	A Heterostructure-Built Multichambered Host Architecture Enabled by Topochemical Self-Nitridation for Rechargeable Lithiated Silicon-Polysulfide Full Battery (Adv. Funct. Mater. 41/2021). Advanced Functional Materials, 2021, 31, 2170306.	14.9	0