

John M Abendroth

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,648
citations

623734

14
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

2683
citing authors

#	ARTICLE	IF	CITATIONS
1	Aptamerâ€field-effect transistors overcome Debye length limitations for small-molecule sensing. <i>Science</i> , 2018, 362, 319-324.	12.6	570
2	Controlling Motion at the Nanoscale: Rise of the Molecular Machines. <i>ACS Nano</i> , 2015, 9, 7746-7768.	14.6	385
3	Nanophotonic Platforms for Chiral Sensing and Separation. <i>Accounts of Chemical Research</i> , 2020, 53, 588-598.	15.6	96
4	Analyzing Spin Selectivity in DNA-Mediated Charge Transfer <i>via</i> Fluorescence Microscopy. <i>ACS Nano</i> , 2017, 11, 7516-7526.	14.6	82
5	Spin Selectivity in Photoinduced Charge-Transfer Mediated by Chiral Molecules. <i>ACS Nano</i> , 2019, 13, 4928-4946.	14.6	82
6	A Chirality-Based Quantum Leap. <i>ACS Nano</i> , 2022, 16, 4989-5035.	14.6	74
7	X-ray-Based Techniques to Study the Nanoâ€Bio Interface. <i>ACS Nano</i> , 2021, 15, 3754-3807.	14.6	60
8	Spin-Dependent Ionization of Chiral Molecular Films. <i>Journal of the American Chemical Society</i> , 2019, 141, 3863-3874.	13.7	50
9	Detecting DNA and RNA and Differentiating Single-Nucleotide Variations via Field-Effect Transistors. <i>Nano Letters</i> , 2020, 20, 5982-5990.	9.1	47
10	Fluorescence-Detected Circular Dichroism of a Chiral Molecular Monolayer with Dielectric Metasurfaces. <i>Journal of the American Chemical Society</i> , 2020, 142, 18304-18309.	13.7	42
11	Divalent Cation Dependence Enhances Dopamine Aptamer Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9425-9435.	8.0	42
12	Polymer-Pen Chemical Lift-Off Lithography. <i>Nano Letters</i> , 2017, 17, 3302-3311.	9.1	39
13	Helicityâ€Preserving Metasurfaces for Magnetoâ€Optical Enhancement in Ferromagnetic [Pt/Co] _N Films. <i>Advanced Optical Materials</i> , 2020, 8, 2001420.	7.3	21
14	Surface Structure and Electron Transfer Dynamics of the Self-Assembly of Cyanide on Au{111}. <i>Journal of Physical Chemistry C</i> , 2016, 120, 26736-26746.	3.1	17
15	Differential Charging in Photoemission from Mercurated DNA Monolayers on Ferromagnetic Films. <i>Nano Letters</i> , 2020, 20, 1218-1225.	9.1	15
16	Small-Molecule Patterning via Prefunctionalized Alkanethiols. <i>Chemistry of Materials</i> , 2018, 30, 4017-4030.	6.7	14
17	Spatial Correlation between Fluctuating and Static Fields over Metal and Dielectric Substrates. <i>Physical Review Letters</i> , 2021, 127, 216101.	7.8	12