

Juan M ArtÃ©s

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

976
citations

567144

15
h-index

752573

20
g-index

23
all docs

23
docs citations

23
times ranked

1429
citing authors

#	ARTICLE	IF	CITATIONS
1	A robust molecular platform for non-volatile memory devices with optical and magnetic responses. <i>Nature Chemistry</i> , 2011, 3, 359-364.	6.6	192
2	Direct Observation of the Valence Band Edge by in Situ ECSTM-ECTS in p-Type Cu ₂ O Layers Prepared by Copper Anodization. <i>Journal of Physical Chemistry C</i> , 2009, 113, 1028-1036.	1.5	99
3	Binding configurations and intramolecular strain in single-molecule devices. <i>Nature Materials</i> , 2015, 14, 517-522.	13.3	92
4	Transistor-like Behavior of Single Metalloprotein Junctions. <i>Nano Letters</i> , 2012, 12, 2679-2684.	4.5	90
5	Conformational gating of DNA conductance. <i>Nature Communications</i> , 2015, 6, 8870.	5.8	75
6	Detection and identification of genetic material via single-molecule conductance. <i>Nature Nanotechnology</i> , 2018, 13, 1167-1173.	15.6	59
7	Current-Voltage Characteristics and Transition Voltage Spectroscopy of Individual Redox Proteins. <i>Journal of the American Chemical Society</i> , 2012, 134, 20218-20221.	6.6	53
8	Electrochemically-gated single-molecule electrical devices. <i>Electrochimica Acta</i> , 2013, 110, 741-753.	2.6	53
9	Direct Measurement of Electron Transfer Distance Decay Constants of Single Redox Proteins by Electrochemical Tunneling Spectroscopy. <i>ACS Nano</i> , 2011, 5, 2060-2066.	7.3	48
10	Conductance Switching in Single Wired Redox Proteins. <i>Small</i> , 2014, 10, 2537-2541.	5.2	44
11	Nanoscale charge transfer in redox proteins and DNA: Towards biomolecular electronics. <i>Electrochimica Acta</i> , 2014, 140, 83-95.	2.6	29
12	Comparing Charge Transport in Oligonucleotides: RNA:DNA Hybrids and DNA Duplexes. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1888-1894.	2.1	29
13	Large-scale dendrimer-based uneven nanopatterns for the study of local arginine-glycine-aspartic acid (RGD) density effects on cell adhesion. <i>Nano Research</i> , 2014, 7, 399-409.	5.8	27
14	Long-Range Charge Transport in Adenine-Stacked RNA:DNA Hybrids. <i>Small</i> , 2016, 12, 432-437.	5.2	24
15	Unraveling the Excited-State Dynamics and Light-Harvesting Functions of Xanthophylls in Light-Harvesting Complex II Using Femtosecond Stimulated Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 17346-17355.	6.6	22
16	Direct Measurement of the Nanomechanical Stability of a Redox Protein Active Site and Its Dependence upon Metal Binding. <i>Journal of Physical Chemistry B</i> , 2015, 119, 12050-12058.	1.2	16
17	Two-tiered electrical detection, purification, and identification of nucleic acids in complex media. <i>Electrochimica Acta</i> , 2019, 313, 116-121.	2.6	8
18	Single-molecule conductance of double-stranded RNA oligonucleotides. <i>Nanoscale</i> , 2022, 14, 2572-2577.	2.8	8

#	ARTICLE	IF	CITATIONS
19	RNA BioMolecular Electronics: towards new tools for biophysics and biomedicine. Journal of Materials Chemistry B, 2021, 9, 6994-7006.	2.9	7
20	Scanning Tunneling Microscopy Studies of Immobilized Biomolecules. , 2014, , 1851-1868.		0