

Anna Cattani-Scholz

List of Publications by Year in descending order

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20
papers

354
citations

1306789

7
h-index

940134

16
g-index

20
all docs

20
docs citations

20
times ranked

639
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructures in Hydrogen Peroxide Sensing. <i>Sensors</i> , 2021, 21, 2204.	2.1	35
2	Modular Assembly of Vibrationally and Electronically Coupled Rhenium Bipyridine Carbonyl Complexes on Silicon. <i>Journal of the American Chemical Society</i> , 2021, 143, 19505-19516.	6.6	4
3	Modification of silicon nitride with oligo(ethylene glycol)-terminated organophosphonate monolayers. <i>Surface Science</i> , 2020, 697, 121599.	0.8	2
4	Assembly, Stability, and Electrical Properties of Sparse Crystalline Silicon Nanoparticle Networks Applied to Solution-Processed Field-Effect Transistors. <i>ACS Applied Electronic Materials</i> , 2020, 2, 692-700.	2.0	3
5	Space charge-limited current transport in thin films of alkyl-functionalized silicon nanocrystals. <i>Nanotechnology</i> , 2019, 30, 395201.	1.3	3
6	Directed Assembly of Nanoparticle Thresholdâ€¦Selector Arrays. <i>Advanced Electronic Materials</i> , 2019, 5, 1900098.	2.6	3
7	Role of Different Receptor-Surface Binding Modes in the Morphological and Electrochemical Properties of Peptide-Nucleic-Acid-Based Sensing Platforms. <i>Langmuir</i> , 2019, 35, 3272-3283.	1.6	4
8	Manifold Coupling Mechanisms of Transition Metal Dichalcogenides to Plasmonic Gold Nanoparticle Arrays. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9663-9670.	1.5	12
9	Functional Organophosphonate Interfaces for Nanotechnology: AÂ€Review. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25643-25655.	4.0	44
10	Surfaceâ€¦directed molecular assembly of pentacene on aromatic organophosphonate selfâ€¦assembled monolayers explored by polarized Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 235-242.	1.2	5
11	Synthesis and optimization of organic sensing platforms for label-free DNA detection. , 2017, , .		2
12	A nanogap electrode platform for organic monolayer-film devices. , 2016, , .		4
13	Tuning the physical properties of MoS₂ membranes through organophosphonate interfacial chemistry. , 2015, , .		2
14	Horizontal Î³-PNA immobilization through organophosphonate chemistry for biosensing applications. , 2015, , .		4
15	Photocurrent Generation in Diamond Electrodes Modified with Reaction Centers. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8099-8107.	4.0	42
16	Molecular Architecture: Construction of Self-Assembled Organophosphonate Duplexes and Their Electrochemical Characterization. <i>Langmuir</i> , 2012, 28, 7889-7896.	1.6	26
17	Development and characterization of EIS structures based on SiO₂ micropillars and pores before and after their functionalization with phosphonate films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 1333-1339.	0.8	4
18	A new molecular architecture for molecular electronics. <i>Angewandte Chemie - International Edition</i> , 2011, 50, A11-6.	7.2	1

#	ARTICLE	IF	CITATIONS
19	PNA-PEG Modified Silicon Platforms as Functional Bio-Interfaces for Applications in DNA Microarrays and Biosensors. <i>Biomacromolecules</i> , 2009, 10, 489-496.	2.6	50
20	Organophosphonate-Based PNA-Functionalization of Silicon Nanowires for Label-Free DNA Detection. <i>ACS Nano</i> , 2008, 2, 1653-1660.	7.3	104