

Anna Cattani-Scholz

List of Publications by Year in descending order

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papers

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1306789

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20
docs citations

20
times ranked

639
citing authors

#	ARTICLE	IF	CITATIONS
1	Organophosphonate-Based PNA-Functionalization of Silicon Nanowires for Label-Free DNA Detection. ACS Nano, 2008, 2, 1653-1660.	7.3	104
2	PNA-PEG Modified Silicon Platforms as Functional Bio-Interfaces for Applications in DNA Microarrays and Biosensors. Biomacromolecules, 2009, 10, 489-496.	2.6	50
3	Functional Organophosphonate Interfaces for Nanotechnology: A Review. ACS Applied Materials & Interfaces, 2017, 9, 25643-25655.	4.0	44
4	Photocurrent Generation in Diamond Electrodes Modified with Reaction Centers. ACS Applied Materials & Interfaces, 2015, 7, 8099-8107.	4.0	42
5	Nanostructures in Hydrogen Peroxide Sensing. Sensors, 2021, 21, 2204.	2.1	35
6	Molecular Architecture: Construction of Self-Assembled Organophosphonate Duplexes and Their Electrochemical Characterization. Langmuir, 2012, 28, 7889-7896.	1.6	26
7	Manifold Coupling Mechanisms of Transition Metal Dichalcogenides to Plasmonic Gold Nanoparticle Arrays. Journal of Physical Chemistry C, 2018, 122, 9663-9670.	1.5	12
8	Surface-directed molecular assembly of pentacene on aromatic organophosphonate self-assembled monolayers explored by polarized Raman spectroscopy. Journal of Raman Spectroscopy, 2017, 48, 235-242.	1.2	5
9	Development and characterization of EIS structures based on SiO ₂ micropillars and pores before and after their functionalization with phosphonate films. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 1333-1339.	0.8	4
10	Horizontal ¹³ C-PNA immobilization through organophosphonate chemistry for biosensing applications. , 2015, , .		4
11	A nanogap electrode platform for organic monolayer-film devices. , 2016, , .		4
12	Role of Different Receptor-Surface Binding Modes in the Morphological and Electrochemical Properties of Peptide-Nucleic-Acid-Based Sensing Platforms. Langmuir, 2019, 35, 3272-3283.	1.6	4
13	Modular Assembly of Vibrationally and Electronically Coupled Rhenium Bipyridine Carbonyl Complexes on Silicon. Journal of the American Chemical Society, 2021, 143, 19505-19516.	6.6	4
14	Space charge-limited current transport in thin films of alkyl-functionalized silicon nanocrystals. Nanotechnology, 2019, 30, 395201.	1.3	3
15	Directed Assembly of Nanoparticle Threshold Selector Arrays. Advanced Electronic Materials, 2019, 5, 1900098.	2.6	3
16	Assembly, Stability, and Electrical Properties of Sparse Crystalline Silicon Nanoparticle Networks Applied to Solution-Processed Field-Effect Transistors. ACS Applied Electronic Materials, 2020, 2, 692-700.	2.0	3
17	Tuning the physical properties of MoS ₂ membranes through organophosphonate interfacial chemistry. , 2015, , .		2
18	Synthesis and optimization of organic sensing platforms for label-free DNA detection. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
19	Modification of silicon nitride with oligo(ethylene glycol)-terminated organophosphonate monolayers. <i>Surface Science</i> , 2020, 697, 121599.	0.8	2
20	A new molecular architecture for molecular electronics. <i>Angewandte Chemie - International Edition</i> , 2011, 50, A11-6.	7.2	1