

Gregorio Laucirica

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

400
citations

933264

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h-index

1372474

10
g-index

11
all docs

11
docs citations

11
times ranked

307
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape matters: Enhanced osmotic energy harvesting in bullet-shaped nanochannels. <i>Nano Energy</i> , 2020, 71, 104612.	8.2	80
2	Nanofluidic osmotic power generators – advanced nanoporous membranes and nanochannels for blue energy harvesting. <i>Chemical Science</i> , 2021, 12, 12874-12910.	3.7	60
3	Redox-Driven Reversible Gating of Solid-State Nanochannels. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30001-30009.	4.0	49
4	Biomimetic solid-state nanochannels for chemical and biological sensing applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 144, 116425.	5.8	47
5	Amine-Phosphate Specific Interactions within Nanochannels: Binding Behavior and Nanoconfinement Effects. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28997-29007.	1.5	39
6	Polyaniline for Improved Blue Energy Harvesting: Highly Rectifying Nanofluidic Diodes Operating in Hypersaline Conditions via One-Step Functionalization. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 28148-28157.	4.0	39
7	Dangerous liaisons: anion-induced protonation in phosphate–polyamine interactions and their implications for the charge states of biologically relevant surfaces. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 8612-8620.	1.3	31
8	Electrochemically addressable nanofluidic devices based on PET nanochannels modified with electropolymerized poly- <i>o</i> -aminophenol films. <i>Nanoscale</i> , 2020, 12, 6002-6011.	2.8	22
9	High-sensitivity detection of dopamine by biomimetic nanofluidic diodes derivatized with poly(3-aminobenzylamine). <i>Nanoscale</i> , 2020, 12, 18390-18399.	2.8	20
10	Borate-driven ionic rectifiers based on sugar-bearing single nanochannels. <i>Nanoscale</i> , 2021, 13, 11232-11241.	2.8	11