Gregorio Laucirica

List of Publications by Year
in descending order

10	400	933264 10	1372474 10
papers	citations	h-index	g-index

11	11	11	307
all docs	docs citations	times ranked	citing authors

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