Francesca Risplendi

List of Publications by Year
in descending order

22 papers	392 citations	759233 12 h-index	752698 20 g-index
22 all docs	22 docs citations	22 times ranked	634 citing authors

#	Article	IF	Citations
1	A New Theoretical Insight Into ZnO NWs Memristive Behavior. Nano Letters, 2016, 16, 2543-2547.	9.1	43
2	Multiple resistive switching in coreâ€“shell ZnO nanowires exhibiting tunable surface states. Journal of Materials Chemistry C, 2017, 5, 10517-10523.	5.5	40
3	Fundamental Insights on Hydration Environment of Boric Acid and Its Role in Separation from Saline Water. Journal of Physical Chemistry C, 2020, 124, 1438-1445.	3.1	35
4	Combined experimental and theoretical investigation of the hemi-squaraine/TiO2 interface for dye sensitized solar cells. Physical Chemistry Chemical Physics, 2013, 15, 7198.	2.8	31
5	Doped ordered mesoporous carbons as novel, selective electrocatalysts for the reduction of nitrobenzene to aniline. Journal of Materials Chemistry A, 2018, 6, 13397-13411.	10.3	31
6	Comparison of Hemi-Squaraine Sensitized TiO₂ and ZnO Photoanodes for DSSC Applications. Journal of Physical Chemistry C, 2013, 117, 22778-22783.	3.1	30
7	Unravelling Some of the Structureâ€“Property Relationships in Graphene Oxide at Low Degree of Oxidation. Journal of Physical Chemistry Letters, 2018, 9, 1746-1749.	4.6	26
8	Microwaveâ€Assisted Synthesis of Copperâ€Based Electrocatalysts for Converting Carbon Dioxide to Tunable Syngas. ChemElectroChem, 2020, 7, 229-238.	3.4	22
9	Facilely synthesized nitrogen-doped reduced graphene oxide functionalized with copper ions as electrocatalyst for oxygen reduction. Npj 2D Materials and Applications, 2021, 5, .	7.9	22
10	A quantum-mechanical study of the adsorption of prototype dye molecules on rutile-TiO₂(110): a comparison between catechol and isonicotinic acid. Physical Chemistry Chemical Physics, 2013, 15, 235-243.	2.8	21
11	First-Principles Calculations of Exciton Radiative Lifetimes in Monolayer Graphitic Carbon Nitride Nanosheets: Implications for Photocatalysis. ACS Applied Nano Materials, 2021, 4, 1985-1993.	5.0	20
12	Proving the existence of Mn porphyrin-like complexes hosted in reduced graphene oxide with outstanding performance as oxygen reduction reaction catalysts. 2D Materials, 2019, 6, 045001.	4.4	19
13	Structure-property relations in amorphous carbon for photovoltaics. Applied Physics Letters, 2014, 105, 043903.	3.3	14
14	Co-Adsorbent Effect on the Sensitization of TiO₂ and ZnO Surfaces: A Theoretical Study. Journal of Physical Chemistry C, 2015, 119, 27348-27353.	3.1	11
15	Functionalization layer effect on the mechanical properties of silicon based micro-cantilever mass sensors: A theoretical study. Sensors and Actuators B: Chemical, 2014, 195, 177-180.	7.8	7
16	Unravelling electrocatalytic properties of metal porphyrin-like complexes hosted in graphene matrices. 2D Materials, 2020, 7, 025017.	4.4	7
17	Si(111) surface functionalized with H-bonded SAM: A theoretical study. Applied Surface Science, 2013, 267, 17-20.	6.1	4
18	Nanostructured Bulk-Heterojunction Solar Cells Based on Amorphous Carbon. ACS Energy Letters, 2017, 2, 882-888.	17.4	3

#	Article	IF	Citations
19	Point Defects in Two-Dimensional Indium Selenide as Tunable Single-Photon Sources. Journal of Physical Chemistry Letters, 2021, 12, 10947-10952.	4.6	3
20	Nanoparticle Reshaping and Ion Migration in Nanocomposite Ultrafast Ionic Actuators: The Converse Piezoâ€“Electroâ€“Kinetic Effect. Advanced Functional Materials, 2019, 29, 1902941.	14.9	2
21	Substitutional impurities in monolayer hexagonal boron nitride as single-photon emitters. Nanomaterials and Nanotechnology, 2020, 10, 184798042094934.	3.0	1
22	Stability and Bandgap Engineering of In1âˆ’xGaxSe Monolayer. Nanomaterials, 2022, 12, 515.	4.1	0