

Federico M M Pesci

List of Publications by Year in descending order

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17
papers

1,042
citations

759233

12
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

2188
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Suppression of Electronâ€“Hole Recombination in Oxygen-Deficient Hydrogen-Treated TiO ₂ Nanowires for Photoelectrochemical Water Splitting. Journal of Physical Chemistry C, 2013, 117, 25837-25844.	3.1	222
2	MoS ₂ /WS ₂ Heterojunction for Photoelectrochemical Water Oxidation. ACS Catalysis, 2017, 7, 4990-4998.	11.2	189
3	Charge Carrier Dynamics on Mesoporous WO ₃ during Water Splitting. Journal of Physical Chemistry Letters, 2011, 2, 1900-1903.	4.6	142
4	Garnet Electrolytes for Solid State Batteries: Visualization of Moisture-Induced Chemical Degradation and Revealing Its Impact on the Li-Ion Dynamics. Chemistry of Materials, 2018, 30, 3704-3713.	6.7	108
5	Elucidating the role of dopants in the critical current density for dendrite formation in garnet electrolytes. Journal of Materials Chemistry A, 2018, 6, 19817-19827.	10.3	88
6	Thickness-Dependent Characterization of Chemically Exfoliated TiS ₂ Nanosheets. ACS Omega, 2018, 3, 8655-8662.	3.5	60
7	Interfacial charge separation in Cu ₂ O/RuO _x as a visible light driven CO ₂ reduction catalyst. Physical Chemistry Chemical Physics, 2014, 16, 5922-5926.	2.8	55
8	Toward an Understanding of SEI Formation and Lithium Plating on Copper in Anode-Free Batteries. Journal of Physical Chemistry C, 2021, 125, 16719-16732.	3.1	55
9	Establishing Ultralow Activation Energies for Lithium Transport in Garnet Electrolytes. ACS Applied Materials & Interfaces, 2020, 12, 32806-32816.	8.0	45
10	The origin of chemical inhomogeneity in garnet electrolytes and its impact on the electrochemical performance. Journal of Materials Chemistry A, 2020, 8, 14265-14276.	10.3	26
11	Large-Area CVD MoS ₂ /WS ₂ Heterojunctions as a Photoelectrocatalyst for Salt-Water Oxidation. ACS Applied Energy Materials, 2019, 2, 5877-5882.	5.1	23
12	Adducts of Alcohols with Ethers: The Rotational Spectrum of Isopropanolâˆ“Dimethyl Ether. Journal of Physical Chemistry A, 2011, 115, 9510-9513.	2.5	18
13	Van der Waals potential energy surface of CH ₂ ClFâˆ“Xe. Chemical Physics Letters, 2008, 466, 122-126.	2.6	8
14	Fabrication of Grapheneâ€“Covered Microâ€“Tubes for Process Intensification. Advanced Engineering Materials, 2019, 21, 1900642.	3.5	3
15	How a hydrogen start-up can contribute to the energy transition through the emerging hydrogen economy. IScience, 2021, 24, 103060.	4.1	0
16	(Invited) Understanding the Factors Affecting the Performance of Li-Metal/Garnet Interfaces with Surface Analysis Techniques. ECS Meeting Abstracts, 2019, , .	0.0	0
17	Electrochemical Analysis of Garnet-Type Solid Electrolytes â€“ Effect of Dopants on Li-Conductivity and Dendrites Formation. ECS Meeting Abstracts, 2019, , .	0.0	0