Federico M M Pesci

List of Publications by Year
in descending order

17	1,042	759233 12	1058476 14
papers	citations	h-index	g-index

17	17	17	2188
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	How a hydrogen start-up can contribute to the energy transition through the emerging hydrogen economy. IScience, 2021, 24, 103060.	4.1	0
3	Establishing Ultralow Activation Energies for Lithium Transport in Garnet Electrolytes. ACS Applied Materials & Interfaces, 2020, 12, 32806-32816.	8.0	45
4	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
5	Large-Area CVD MoS₂/WS₂ Heterojunctions as a Photoelectrocatalyst for Salt-Water Oxidation. ACS Applied Energy Materials, 2019, 2, 5877-5882.	5.1	23
6	Fabrication of Grapheneâ€Covered Microâ€Tubes for Process Intensification. Advanced Engineering Materials, 2019, 21, 1900642.	3.5	3
7	(Invited) Understanding the Factors Affecting the Performance of Li-Metal/Garnet Interfaces with Surface Analysis Techniques. ECS Meeting Abstracts, 2019, , .	0.0	0
8	Electrochemical Analysis of Garnet-Type Solid Electrolytes â€“ Effect of Dopants on Li-Conductivity and Dendrites Formation. ECS Meeting Abstracts, 2019, , .	0.0	0
9	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
10	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
11	Thickness-Dependent Characterization of Chemically Exfoliated TiS₂ Nanosheets. ACS Omega, 2018, 3, 8655-8662.	3.5	60
12	MoS₂/WS₂ Heterojunction for Photoelectrochemical Water Oxidation. ACS Catalysis, 2017, 7, 4990-4998.	11.2	189
13	Interfacial charge separation in Cu₂O/RuO_x as a visible light driven CO₂ reduction catalyst. Physical Chemistry Chemical Physics, 2014, 16, 5922-5926.	2.8	55
14	Efficient Suppression of Electronâ€“Hole Recombination in Oxygen-Deficient Hydrogen-Treated TiO₂ Nanowires for Photoelectrochemical Water Splitting. Journal of Physical Chemistry C, 2013, 117, 25837-25844.	3.1	222
15	Adducts of Alcohols with Ethers: The Rotational Spectrum of Isopropanolâ‹¯Dimethyl Ether. Journal of Physical Chemistry A, 2011, 115, 9510-9513.	2.5	18
16	Charge Carrier Dynamics on Mesoporous WO₃ during Water Splitting. Journal of Physical Chemistry Letters, 2011, 2, 1900-1903.	4.6	142
17	Van der Waals potential energy surface of CH2ClFâ‹¯Xe. Chemical Physics Letters, 2008, 466, 122-126.	2.6	8