

Paula Serras Malillos

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

4,080
citations

687220

13
h-index

996849

15
g-index

17
all docs

17
docs citations

17
times ranked

5577
citing authors

#	ARTICLE	IF	CITATIONS
1	Na-ion batteries, recent advances and present challenges to become low cost energy storage systems. Energy and Environmental Science, 2012, 5, 5884.	15.6	3,078
2	Crystal chemistry of Na insertion/deinsertion in FePO ₄ NaFePO ₄ . Journal of Materials Chemistry, 2012, 22, 17421.	6.7	189
3	High voltage cathode materials for Na-ion batteries of general formula Na ₃ V ₂ O ₂ x(PO ₄) ₂ F ₃ ~ ^{2x} . Journal of Materials Chemistry, 2012, 22, 22301.	6.7	174
4	Electrochemical Na Extraction/Insertion of Na ₃ V ₂ O ₂ x(PO ₄) ₂ F ₃ ~ ^{2x} . Chemistry of Materials, 2013, 25, 4917-4925.		112
5	Sodium Distribution and Reaction Mechanisms of a Na ₃ V ₂ O ₂ x(PO ₄) ₂ F Electrode during Use in a Sodium-Ion Battery. Chemistry of Materials, 2014, 26, 3391-3402.	3.2	112
6	Electricity production, capacity factor, and plant efficiency index at the Mutriku wave farm (2014~2016). Ocean Engineering, 2018, 147, 20-29.	1.9	87
7	Electrochemical performance of mixed valence Na ₃ V ₂ O ₂ x(PO ₄) ₂ F~ ^{2x} /C as cathode for sodium-ion batteries. Journal of Power Sources, 2013, 241, 56-60.	4.0	84
8	Structural evolution of high energy density V ³⁺ /V ⁴⁺ mixed valent Na ₃ V ₂ O ₂ x(PO ₄) ₂ F~ ^{2x} (x = 0.8) sodium vanadium fluorophosphate using <i>in situ</i> synchrotron X-ray powder diffraction. Journal of Materials Chemistry A, 2014, 2, 7766-7779.	5.2	57
9	Enhanced electrochemical performance of vanadyl (IV) Na ₃ (VO) ₂ (PO ₄) ₂ F by ex-situ carbon coating. Electrochemistry Communications, 2013, 34, 344-347.	2.3	48
10	Structural evolution of mixed valent (V ³⁺ /V ⁴⁺) and V ⁴⁺ sodium vanadium fluorophosphates as cathodes in sodium-ion batteries: comparisons, overcharging and mid-term cycling. Journal of Materials Chemistry A, 2015, 3, 23017-23027.	5.2	36
11	Vanadyl-type defects in Tavorite-like NaVPO ₄ F: from the average long range structure to local environments. Journal of Materials Chemistry A, 2017, 5, 25044-25055.	5.2	32
12	Combining random forests and physics-based models to forecast the electricity generated by ocean waves: A case study of the Mutriku wave farm. Ocean Engineering, 2019, 189, 106314.	1.9	28
13	On the impact of long-term wave trends on the geometry optimisation of oscillating water column wave energy converters. Energy, 2020, 206, 118146.	4.5	24
14	Waste Biomass as <i>In Situ</i> Carbon Source for Sodium Vanadium Fluorophosphate/C Cathodes for Na-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2018, 6, 16386-16398.	3.2	10
15	The power flow and the wave energy flux at an operational wave farm: Findings from Mutriku, Bay of Biscay. Ocean Engineering, 2021, 227, 108654.	1.9	9
16	High-Voltage Cathodes for Na-Ion Batteries: Sodium~ Vanadium Fluorophosphates. , 2016, , .		0
17	INTRODUCING SUSTAINABILITY AND THE AGENDA 2030 IN ENGINEERING DEGREES THROUGH THE RESEARCH BASED LEARNING METHODOLOGY. , 2020, , .		0