

# Paula Serras Malillos

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

4,080  
citations

686830

13  
h-index

996533

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

5577  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | The power flow and the wave energy flux at an operational wave farm: Findings from Mutriku, Bay of Biscay. <i>Ocean Engineering</i> , 2021, 227, 108654.   | 1.9  | 9         |
| 2  | On the impact of long-term wave trends on the geometry optimisation of oscillating water column wave energy converters. <i>Energy</i> , 2020, 206, 118146.   | 4.5  | 24        |
| 3  | INTRODUCING SUSTAINABILITY AND THE AGENDA 2030 IN ENGINEERING DEGREES THROUGH THE RESEARCH BASED LEARNING METHODOLOGY. , 2020, , .   |      | 0         |
| 4  | Combining random forests and physics-based models to forecast the electricity generated by ocean waves: A case study of the Mutriku wave farm. <i>Ocean Engineering</i> , 2019, 189, 106314.   | 1.9  | 28        |
| 5  | Electricity production, capacity factor, and plant efficiency index at the Mutriku wave farm (2014–2016). <i>Ocean Engineering</i> , 2018, 147, 20-29.   | 1.9  | 87        |
| 6  | Waste Biomass as <i>in Situ</i> Carbon Source for Sodium Vanadium Fluorophosphate/C Cathodes for Na-ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16386-16398.  | 3.2  | 10        |
| 7  | Vanadyl-type defects in Tavorite-like $\text{NaVPO}_4\text{F}$ : from the average long range structure to local environments. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25044-25055.  | 5.2  | 32        |
| 8  | High-Voltage Cathodes for Na-ion Batteries: Sodium–Vanadium Fluorophosphates. , 2016, , .  |      | 0         |
| 9  | Structural evolution of mixed valent ( $\text{V}^{3+}/\text{V}^{4+}$ ) and $\text{V}^{4+}$ sodium vanadium fluorophosphates as cathodes in sodium-ion batteries: comparisons, overcharging and mid-term cycling. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23017-23027.                                       | 5.2  | 36        |
| 10 | Sodium Distribution and Reaction Mechanisms of a $\text{Na}_3\text{V}_2\text{O}_7(\text{PO}_4)_2\text{F}$ Electrode during Use in a Sodium-Ion Battery. <i>Chemistry of Materials</i> , 2014, 26, 3391-3402.   | 3.2  | 112       |
| 11 | Structural evolution of high energy density $\text{V}^{3+}/\text{V}^{4+}$ mixed valent $\text{Na}_3\text{V}_2\text{O}_7(\text{PO}_4)_2\text{F}$ ( $x = 0.8$ ) sodium vanadium fluorophosphate using <i>in situ</i> synchrotron X-ray powder diffraction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7766-7779. | 5.2  | 57        |
| 12 | Enhanced electrochemical performance of vanadyl (IV) $\text{Na}_3(\text{VO})_2(\text{PO}_4)_2\text{F}$ by ex-situ carbon coating. <i>Electrochemistry Communications</i> , 2013, 34, 344-347.  | 2.3  | 48        |
| 13 | Electrochemical performance of mixed valence $\text{Na}_3\text{V}_2\text{O}_7(\text{PO}_4)_2\text{F}_x/\text{C}$ as cathode for sodium-ion batteries. <i>Journal of Power Sources</i> , 2013, 241, 56-60.  | 4.0  | 84        |
| 14 | Electrochemical Na Extraction/Insertion of $\text{Na}_3\text{V}_2\text{O}_7(\text{PO}_4)_2\text{F}_x$ . <i>Chemistry of Materials</i> , 2013, 25, 4917-4925.   |      | 112       |
| 15 | High voltage cathode materials for Na-ion batteries of general formula $\text{Na}_3\text{V}_2\text{O}_7(\text{PO}_4)_2\text{F}_x$ . <i>Journal of Materials Chemistry</i> , 2012, 22, 22301.   | 6.7  | 174       |
| 16 | Na-ion batteries, recent advances and present challenges to become low cost energy storage systems. <i>Energy and Environmental Science</i> , 2012, 5, 5884.   | 15.6 | 3,078     |
| 17 | Crystal chemistry of Na insertion/deinsertion in $\text{FePO}_4$ – $\text{NaFePO}_4$ . <i>Journal of Materials Chemistry</i> , 2012, 22, 17421.  | 6.7  | 189       |