

# Valentin Radu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/174876/publications.pdf>

Version: 2024-02-01

8  
papers

155  
citations

1477746

6  
h-index

1872312

6  
g-index

8  
all docs

8  
docs citations

8  
times ranked

312  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Oxygen-Tolerance of the Full Heterotrimeric Membrane-Bound [NiFe]-Hydrogenase of <i>Ralstonia eutropha</i> . <i>Journal of the American Chemical Society</i> , 2014, 136, 8512-8515.	6.6	41
2	Multilayered Lipid Membrane Stacks for Biocatalysis Using Membrane Enzymes. <i>Advanced Functional Materials</i> , 2017, 27, 1606265.	7.8	35
3	Dynamic Quantum Sensing of Paramagnetic Species Using Nitrogen-Vacancy Centers in Diamond. <i>ACS Sensors</i> , 2020, 5, 703-710.	4.0	22
4	Reactivation from the Ni <sup>II</sup> state in [NiFe] hydrogenase of <i>Ralstonia eutropha</i> is controlled by reduction of the superoxidised proximal cluster. <i>Chemical Communications</i> , 2016, 52, 2632-2635.	2.2	19
5	A Decaheme Cytochrome as a Molecular Electron Conduit in Dye-Sensitized Photoanodes. <i>Advanced Functional Materials</i> , 2015, 25, 2308-2315.	7.8	18
6	Quantum Sensing in a Physiological-Like Cell Niche Using Fluorescent Nanodiamonds Embedded in Electrospun Polymer Nanofibers. <i>Small</i> , 2019, 15, e1900455.	5.2	18
7	Considerations on Reducing the Experimental Duration of Electrochemical Impedance Spectroscopy Measurements Used for the Evaluation of Ionic Conductivity in Polymer Electrolyte Membrane Electrolysers and Fuel Cells. <i>Key Engineering Materials</i> , 0, 415, 61-64.	0.4	2
8	Electron Spin Resonance for the Detection of Paramagnetic Species: From Fundamentals to Computational Methods for Simulation and Interpretation. <i>RSC Theoretical and Computational Chemistry Series</i> , 2020, , 335-361.	0.7	0