

# Stefania Vitale

## List of Publications by Citations

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21  
papers

363  
citations

9  
h-index

19  
g-index

23  
ext. papers

521  
ext. citations

5.8  
avg, IF

4.05  
L-index

#	Paper	IF	Citations
21	Nanoparticle-Biofilm Interactions: The Role of the EPS Matrix. <i>Trends in Microbiology</i> , <b>2019</b> , 27, 915-926	12.4	152
20	Ratiometric Imaging of the in Situ pH Distribution of Biofilms by Use of Fluorescent Mesoporous Silica Nanosensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 32679-32688	9.5	39
19	Improved semiconducting CuO/CuFe <sub>2</sub> O <sub>4</sub> nanostructured thin films for CO <sub>2</sub> gas sensing. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 204, 407-413	8.5	37
18	One particle, two targets: A combined action of functionalised gold nanoparticles, against <i>Pseudomonas fluorescens</i> biofilms. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 526, 419-428	9.3	20
17	Tailoring Nanoparticle-Biofilm Interactions to Increase the Efficacy of Antimicrobial Agents Against. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 4779-4791	7.3	19
16	Enhancing curcumin's solubility and antibiofilm activity via silica surface modification. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 1694-1708	5.1	14
15	A functionalized, ethynyl-decorated, tetracobalt(III) cubane molecular catalyst for photoinduced water oxidation. <i>Dalton Transactions</i> , <b>2014</b> , 43, 14926-30	4.3	14
14	Synthesis and self-assembly of curcumin-modified amphiphilic polymeric micelles with antibacterial activity. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 104	9.4	12
13	A wavelet-PCA method saves high mass resolution information in data treatment of SIMS molecular depth profiles. <i>Surface and Interface Analysis</i> , <b>2016</b> , 48, 317-327	1.5	9
12	Surface functionalization-dependent localization and affinity of SiO nanoparticles within the biofilm EPS matrix. <i>Biofilm</i> , <b>2020</b> , 2, 100029	5.9	8
11	Nitric oxide assisted C60 secondary ion mass spectrometry for molecular depth profiling of polyelectrolyte multilayers. <i>Rapid Communications in Mass Spectrometry</i> , <b>2015</b> , 29, 2204-10	2.2	8
10	A high throughput method to investigate nanoparticle entrapment efficiencies in biofilms. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 193, 111123	6	7
9	A Transport and Reaction Model for Simulating Cluster Secondary Ion Mass Spectrometry Depth Profiles of Organic Solids. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 9263-9269	3.8	7
8	ToF-SIMS of metal-complex-based supramolecular architectures on oxide surfaces. <i>Surface and Interface Analysis</i> , <b>2013</b> , 45, 206-210	1.5	4
7	A nano-junction of self-assembled mixed-metal-centre molecular wires on transparent conductive oxides. <i>Nanoscale</i> , <b>2019</b> , 11, 4788-4793	7.7	3
6	A robust vertical nanoscaffold for recyclable, paintable, and flexible light-emitting devices.. <i>Science Advances</i> , <b>2022</b> , 8, eabn2225	14.3	3
5	Interactions between functionalised silica nanoparticles and <i>Pseudomonas fluorescens</i> biofilm matrix: A focus on the protein corona. <i>PLoS ONE</i> , <b>2020</b> , 15, e0236441	3.7	2

4	SIMS characterization of surface-modified nanostructured titania electrodes for solar energy conversion devices. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2016</b> , 34, 03H110	1.3	2
3	Multichromophoric hybrid species made of perylene bisimide derivatives and Ru(ii) and Os(ii) polypyridine subunits. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 14055-14065	3.6	1
2	Filling station short-range impact on the surrounding area: A novel methodology for environmental monitoring based on the shadows study. <i>Environmental Technology and Innovation</i> , <b>2015</b> , 4, 210-217	7	1
1	ToF-SIMS study of selective anchoring of Ru(tpy) <sub>2</sub> complexes on zirconium-phosphate functionalized oxide surfaces. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2020</b> , 38, 032802	1.3	