

Valmor R Mastelaro

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2161065/valmor-r-mastelaro-publications-by-citations.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

34 papers	932 citations	16 h-index	30 g-index
36 ext. papers	1,130 ext. citations	5 avg, IF	4.37 L-index

#	Paper	IF	Citations
34	Yolk-shelled ZnCo ₂ O ₄ microspheres: Surface properties and gas sensing application. <i>Sensors and Actuators B: Chemical</i> , 2018 , 257, 906-915	8.5	141
33	Vanadium Pentoxide Nanostructures: An Effective Control of Morphology and Crystal Structure in Hydrothermal Conditions. <i>Crystal Growth and Design</i> , 2009 , 9, 3626-3631	3.5	97
32	One-step approach for preparing ozone gas sensors based on hierarchical NiCo ₂ O ₄ structures. <i>RSC Advances</i> , 2016 , 6, 92655-92662	3.7	94
31	A novel ozone gas sensor based on one-dimensional (1D) Ag ₂ WO ₄ nanostructures. <i>Nanoscale</i> , 2014 , 6, 4058-62	7.7	92
30	UV-enhanced ozone gas sensing response of ZnO-SnO ₂ heterojunctions at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 573-579	8.5	80
29	An easy method of preparing ozone gas sensors based on ZnO nanorods. <i>RSC Advances</i> , 2015 , 5, 19528-19533	3.7	58
28	UV-assisted chemiresistors made with gold-modified ZnO nanorods to detect ozone gas at room temperature. <i>Mikrochimica Acta</i> , 2019 , 186, 418	5.8	57
27	Local Structure and Surface Properties of CoZnO Thin Films for Ozone Gas Sensing. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 26066-26072	9.5	45
26	Ozone and nitrogen dioxide gas sensor based on a nanostructured SrTi _{0.85} Fe _{0.15} O ₃ thin film. <i>Journal of Alloys and Compounds</i> , 2015 , 638, 374-379	5.7	37
25	X-ray Absorption Fine Structure (XAFS) Studies of Oxide Glasses-A 45-Year Overview. <i>Materials</i> , 2018 , 11,	3.5	32
24	One-Dimensional V ₂ O ₅ /TiO ₂ Heterostructures for Chemiresistive Ozone Sensors. <i>ACS Applied Nano Materials</i> , 2019 , 2, 4756-4764	5.6	28
23	Unveiling the role of AgMoO ₄ microcrystals to the improvement of antibacterial activity. <i>Materials Science and Engineering C</i> , 2020 , 111, 110765	8.3	23
22	Growth kinetics of vanadium pentoxide nanostructures under hydrothermal conditions. <i>Journal of Crystal Growth</i> , 2010 , 312, 3555-3559	1.6	23
21	Ion-sensing properties of 1D vanadium pentoxide nanostructures. <i>Nanoscale Research Letters</i> , 2012 , 7, 310	5	21
20	Development of Co ₃ [Co(CN) ₆] ₂ /Fe ₃ O ₄ Bifunctional Nanocomposite for Clinical Sensor Applications. <i>ACS Applied Nano Materials</i> , 2018 , 1, 4283-4293	5.6	17
19	Internal Residual Stress Measurements in a Bioactive Glass/Ceramic Using Vickers Indentation. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2359-2368	3.8	16
18	Cellulose nanofibers production using a set of recombinant enzymes. <i>Carbohydrate Polymers</i> , 2021 , 256, 117510	10.3	12

17	In situ study of copper reduction in SrTi _{1-x} Cu _x O ₃ nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 2070-9	3.6	10
16	Potentiometric detection of chemical species by spin-assisted assembly of vanadium pentoxide nanorods. <i>Sensors and Actuators B: Chemical</i> , 2016 , 229, 461-465	8.5	8
15	Experimental and Theoretical Insights into the Structural Disorder and Gas Sensing Properties of ZnO. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 1447-1457	4	7
14	The Role of Nb Addition in TiO ₂ Nanoparticles: Phase Transition and Photocatalytic Properties. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018 , 215, 1800321	1.6	6
13	Cu-Modified SrTiO ₃ Perovskites Toward Enhanced Water-Gas Shift Catalysis: A Combined Experimental and Computational Study. <i>ACS Applied Energy Materials</i> , 2021 , 4, 452-461	6.1	5
12	One-Step Synthesis of Nickel Sulfides and Their Electrocatalytic Activities for Hydrogen Evolution Reaction: A Case Study of Crystalline h-NiS and o-Ni ₉ S ₈ Nanoparticles. <i>ACS Applied Energy Materials</i> , 2020 , 3, 9498-9503	6.1	5
11	Exploiting oxidative coupling of methane performed over La ₂ (Ce _{1-x} Mg _x) ₂ O ₇ catalysts with disordered defective cubic fluorite structure. <i>Catalysis Science and Technology</i> , 2021 , 11, 4471-4481	5.5	4
10	Crystallization mechanism and kinetics of a Fe-diopside (25CaO-25MgO-50SiO ₂) glass-ceramic. <i>Journal of Materials Science</i> , 2019 , 54, 9313-9320	4.3	3
9	CuO nanoparticles decorated on hydroxyapatite/ferrite magnetic support: photocatalysis, cytotoxicity, and antimicrobial response.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	3
8	Graphene Oxide as a Platform for Copper Pentacyanonitrosylferrate Nanoparticles and their Behavior in the Electro-oxidation of N-Acetylcysteine. <i>Electroanalysis</i> , 2020 , 32, 1408-1416	3	2
7	XPS Study of Long-Term Passivation of GaAs Surfaces Using Saturated Ammonium Sulfide Solution under Optimum Condition. <i>Russian Journal of Electrochemistry</i> , 2021 , 57, 471-477	1.2	1
6	A global pollutant (PVC-polyvinyl chloride) applied as heavy metal binder from aqueous samples: green principles from synthesis to application. <i>Environmental Technology (United Kingdom)</i> , 2021 , 1-13	2.6	1
5	Enhancement of Ammonia Gas Sensing Properties of GaAs-Based Schottky Diodes Using Ammonium Sulfide Surface Passivation. <i>IEEE Sensors Journal</i> , 2021 , 21, 4209-4215	4	1
4	The Role of Nb Addition in TiO ₂ Nanoparticles: Phase Transition and Photocatalytic Properties (Phys. Status Solidi A 210018). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018 , 215, 1870049	1.6	1
3	Doped Plasmonic Zinc Oxide Nanoparticles with Near-Infrared Absorption for Antitumor Activity. <i>ACS Applied Nano Materials</i> , 2021 , 4, 9779-9789	5.6	1
2	Tuning the Gas Sensing Properties of rGO with In ₂ O ₃ Nanoparticles. <i>Surfaces</i> , 2022 , 5, 127-142	2.9	0
1	A high-throughput, solvent free method for dispersing metal atoms directly onto supports. <i>Journal of Materials Chemistry A</i> ,	13	