

Nicola Bazzanella

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9485846/publications.pdf>

Version: 2024-02-01

33
papers

769
citations

567144

15
h-index

501076

28
g-index

33
all docs

33
docs citations

33
times ranked

1124
citing authors

#	ARTICLE	IF	CITATIONS
1	Wastewater remediation with ZnO photocatalysts: Green synthesis and solar concentration as an economically and environmentally viable route to application. <i>Journal of Environmental Management</i> , 2021, 286, 112226.	3.8	54
2	Fluorescent Nanodiamonds Synthesized in One-Step by Pulsed Laser Ablation of Graphite in Liquid-Nitrogen. <i>Journal of Carbon Research</i> , 2021, 7, 49.	1.4	3
3	Evaluation of the role of beam homogeneity on the mechanical coupling of laser-ablation-generated impulse. <i>Applied Optics</i> , 2021, 60, H37.	0.9	5
4	Poly(vinyl chloride) Coupling with UV Laser Radiation: Comparison between Polymer Absorbers and Nanoparticles to Increase Efficiency for Laser Ablation Propulsion. <i>Journal of Physical Chemistry C</i> , 2021, 125, 28088-28099.	1.5	3
5	Modification of the Near-Infrared Spontaneous Emission in Er ³⁺ -Activated Inverse Silica Opals. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900476.	0.7	1
6	Laser-Synthesis of NV-Centers-Enriched Nanodiamonds: Effect of Different Nitrogen Sources. <i>Micromachines</i> , 2020, 11, 579.	1.4	6
7	On the route towards a facile fluorescent nanodiamonds laser-synthesis. <i>Carbon</i> , 2019, 153, 148-155.	5.4	20
8	Pulsed laser deposition of nickel oxide films with improved optical properties to functionalize solar light absorbing photoanodes and very low overpotential for water oxidation catalysis. <i>Materials Science in Semiconductor Processing</i> , 2019, 97, 29-34.	1.9	13
9	Rational Design Combining Morphology and Charge-Dynamic for Hematite/Nickel-Iron Oxide Thin-Layer Photoanodes: Insights into the Role of the Absorber/Catalyst Junction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 48002-48012.	4.0	3
10	Fluorescent Aptamer Immobilization on Inverse Colloidal Crystals. <i>Sensors</i> , 2018, 18, 4326.	2.1	12
11	3D hierarchical nanostructures of iron oxides coatings prepared by pulsed laser deposition for photocatalytic water purification. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 401-411.	10.8	30
12	On the effect of Sn-doping in hematite anodes for oxygen evolution. <i>Electrochimica Acta</i> , 2016, 214, 345-353.	2.6	37
13	Porous versus Compact Nanosized Fe(III)-Based Water Oxidation Catalyst for Photoanodes Functionalization. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20003-20011.	4.0	15
14	Electrophoretic deposition of colloidal TiO ₂ nanorods towards nano-porous thin-films. <i>Materials Letters</i> , 2016, 174, 226-229.	1.3	4
15	Enhanced H ₂ production from hydrolysis of sodium borohydride using Co ₃ O ₄ nanoparticles assembled coatings prepared by pulsed laser deposition. <i>Applied Catalysis A: General</i> , 2016, 515, 1-9.	2.2	38
16	Ruthenium nanoparticles supported over carbon thin film catalyst synthesized by pulsed laser deposition for hydrogen production from ammonia borane. <i>Applied Catalysis A: General</i> , 2015, 495, 23-29.	2.2	37
17	Comparative gas-sensing performance of 1D and 2D ZnO nanostructures. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 1152-1160.	4.0	81
18	Improvement of the electron collection efficiency in porous hematite using a thin iron oxide underlayer: towards efficient all-iron based photoelectrodes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29661-29670.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Synthesis of mesoporous ITO/TiO ₂ electrodes for optoelectronics. <i>Materials Letters</i> , 2015, 139, 355-358.	1.3	15
20	Pulsed-Laser Deposition of Nanostructured Iron Oxide Catalysts for Efficient Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 6186-6190.	4.0	37
21	Backscattered electrons from gold surface films deposited on silicon substrates: a joint experimental and computational investigation to add new potentiality to electron microscopy. <i>Surface and Interface Analysis</i> , 2013, 45, 677-681.	0.8	16
22	High quality factor 1-D Er ³⁺ -activated dielectric microcavity fabricated by RF-sputtering. <i>Optics Express</i> , 2012, 20, 21214.	1.7	64
23	High quality factor dielectric multilayer structures fabricated by rf-sputtering. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
24	Synthesis of Lead Nanowires in a Single Co-Sputtering Deposition Step. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 8759-8763.	0.9	0
25	Enhanced hydrogen production by hydrolysis of NaBH ₄ using Co-B nanoparticles supported on Carbon film-catalyst synthesized by pulsed laser deposition. <i>Catalysis Today</i> , 2011, 170, 20-26.	2.2	41
26	Backscattered electrons from surface films deposited on bulk targets: A comparison between computational and experimental results. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 1672-1674.	0.6	14
27	Co-Pb catalyst thin films prepared by electroless and pulsed laser deposition for hydrogen generation by hydrolysis of alkaline sodium borohydride: A comparison. <i>Thin Solid Films</i> , 2010, 518, 4779-4785.	0.8	34
28	Structural evolution of Pd-capped Mg thin films under H ₂ absorption and desorption cycles. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 4817-4826.	3.8	40
29	Catalytic effect of mixed Zr-Fe additives on the hydrogen desorption kinetics of MgH ₂ . <i>Applied Physics Letters</i> , 2008, 92, 051910.	1.5	11
30	Deuterium storage in nanocrystalline magnesium thin films. <i>Journal of Applied Physics</i> , 2004, 95, 1989-1995.	1.1	40
31	Mg:Nb films produced by pulsed laser deposition for hydrogen storage. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 108, 33-37.	1.7	15
32	Catalytic effect on hydrogen desorption in Nb-doped microcrystalline MgH ₂ . <i>Applied Physics Letters</i> , 2004, 85, 5212-5214.	1.5	66
33	Ballistic measurements of laser ablation generated impulse. <i>Measurement Science and Technology</i> , 0, , .	1.4	3