

Alberto Mazzi

List of Publications by Year in descending order

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29
papers

539
citations

687363

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23
g-index

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all docs

29
docs citations

29
times ranked

736
citing authors

#	ARTICLE	IF	CITATIONS
1	Very large SiPM arrays with aggregated output. Journal of Instrumentation, 2022, 17, P05038.	1.2	6
2	Radiation damage assessment of SiPMs for scintillation detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1040, 167163.	1.6	3
3	Cryogenic SiPM arrays for the DUNE photon detection system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 985, 164648.	1.6	6
4	Sensitivity of future liquid argon dark matter search experiments to core-collapse supernova neutrinos. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 043.	5.4	12
5	Separating ^{39}Ar from ^{40}Ar by cryogenic distillation with Aria for dark-matter searches. European Physical Journal C, 2021, 81, 1.	3.9	12
6	Vacuum ultraviolet silicon photomultipliers applied to BaF ₂ cross-luminescence detection for high-rate ultrafast timing applications. Physics in Medicine and Biology, 2021, 66, 114002.	3.0	28
7	Laser-Induced Thermal Processes: Heat Transfer, Generation of Stresses, Melting and Solidification, Vaporization, and Phase Explosion. , 2021, , 83-163.		10
8	FBK VUV-sensitive Silicon Photomultipliers for cryogenic temperatures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 982, 164478.	1.6	12
9	Design and construction of a new detector to measure ultra-low radioactive-isotope contamination of argon. Journal of Instrumentation, 2020, 15, P02024-P02024.	1.2	19
10	Improvement of the timing properties of Ce-doped oxyorthosilicate LYSO scintillating crystals. Journal of Physics and Chemistry of Solids, 2020, 139, 109356.	4.0	19
11	Laser-Induced Thermal Processes: Heat Transfer, Generation of Stresses, Melting and Solidification, Vaporization, and Phase Explosion. , 2020, , 1-81.		7
12	High Sensitivity and High Resolution Dynamic Brain-Dedicated TOF-DOI PET Scanner. , 2020, , .		3
13	Improvement of the Time Resolution of Radiation Detectors Based on Gd ₃ Al ₂ Ga ₃ O ₁₂ Scintillators With SiPM Readout. IEEE Transactions on Nuclear Science, 2019, 66, 1879-1888.	2.0	37
14	NUV-Sensitive Silicon Photomultiplier Technologies Developed at Fondazione Bruno Kessler. Sensors, 2019, 19, 308.	3.8	123
15	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. Materials Science in Semiconductor Processing, 2019, 97, 29-34.	4.0	13
16	Silicon Photomultipliers: Technology Optimizations for Ultraviolet, Visible and Near-Infrared Range. Instruments, 2019, 3, 15.	1.8	33
17	Timing properties of Ce-doped YAP and LuYAP scintillation crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 927, 169-173.	1.6	14
18	Rational Design Combining Morphology and Charge-Dynamic for Hematite/Nickel- ⁶² Iron Oxide Thin-Layer Photoanodes: Insights into the Role of the Absorber/Catalyst Junction. ACS Applied Materials & Interfaces, 2019, 11, 48002-48012.	8.0	3

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19	Functionalized p-silicon photocathodes for solar fuels applications: Insights from electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 2018, 271, 472-480.	5.2	6
20	Improvement of response time in GAGG:Ce scintillation crystals by magnesium codoping. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	20
21	Laser-Inducing Extreme Thermodynamic Conditions in Condensed Matter to Produce Nanomaterials for Catalysis and the Photocatalysis. <i>Springer Series in Materials Science</i> , 2018, , 89-106.	0.6	3
22	Simulation of phase explosion in the nanosecond laser ablation of aluminum. <i>Journal of Colloid and Interface Science</i> , 2017, 489, 126-130.	9.4	27
23	Dynamics of liquid nanodroplet formation in nanosecond laser ablation of metals. <i>Applied Surface Science</i> , 2017, 418, 601-606.	6.1	12
24	On the effect of Sn-doping in hematite anodes for oxygen evolution. <i>Electrochimica Acta</i> , 2016, 214, 345-353.	5.2	37
25	Porous versus Compact Nanosized Fe(III)-Based Water Oxidation Catalyst for Photoanodes Functionalization. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20003-20011.	8.0	15
26	Physical vapor deposition of mixed-metal oxides based on Fe, Co and Ni as water oxidation catalysts. <i>Materials Science in Semiconductor Processing</i> , 2016, 42, 155-158.	4.0	12
27	Liquid nanodroplet formation through phase explosion mechanism in laser-irradiated metal targets. <i>Physical Review E</i> , 2015, 92, 031301.	2.1	22
28	Magnetic perturbations as a viable tool for edge turbulence modification. <i>Plasma Physics and Controlled Fusion</i> , 2015, 57, 014027.	2.1	19
29	Turbulent electromagnetic filaments in actively modulated toroidal plasma edge. <i>Nuclear Fusion</i> , 2015, 55, 063041.	3.5	6