

Silvia Maria Deambrosis

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

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citations

840776

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839539

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23
all docs

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docs citations

23
times ranked

451
citing authors

#	ARTICLE	IF	CITATIONS
1	Al rich PVD protective coatings: A promising approach to prevent T91 steel corrosion in stagnant liquid lead. <i>Surface and Coatings Technology</i> , 2019, 377, 124890.	4.8	40
2	Al ₅ superconductors: An alternative to niobium for RF cavities. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 441, 108-113.	1.2	32
3	Overview of the RFX-mod fusion science activity. <i>Nuclear Fusion</i> , 2017, 57, 102012.	3.5	27
4	Enhanced sulfur tolerance of BaCe _{0.65} Zr _{0.20} Y _{0.15} O _{3-δ} -Ce _{0.85} Gd _{0.15} O _{2-δ} composite for hydrogen separation membranes. <i>Journal of Membrane Science</i> , 2018, 564, 123-132.	8.2	27
5	Cyclic oxidation in burner rig of TiAlN coating deposited on Ti-48Al-2Cr-2Nb by reactive HiPIMS. <i>Ceramics International</i> , 2017, 43, 5417-5426.	4.8	26
6	Mechanical properties and tribological behaviour of Mo-N coatings deposited via high power impulse magnetron sputtering on temperature sensitive substrates. <i>Tribology International</i> , 2018, 119, 372-380.	5.9	19
7	Overview of the RFX-mod contribution to the international Fusion Science Program. <i>Nuclear Fusion</i> , 2015, 55, 104012.	3.5	18
8	Ti _{1-x} Al _x N coatings by Reactive High Power Impulse Magnetron Sputtering: film/substrate interface effect on residual stress and high temperature oxidation. <i>Surface and Coatings Technology</i> , 2018, 354, 56-65.	4.8	16
9	Structural, morphological and mechanical characterization of Mo sputtered coatings. <i>Surface and Coatings Technology</i> , 2015, 266, 14-21.	4.8	15
10	Evidences of accumulation points in cascade regenerative phenomena observed in high voltage dc devices insulated by long vacuum gaps. <i>Journal of Physics Communications</i> , 2018, 2, 115002.	1.2	13
11	Study of high DC voltage breakdown between stainless steel electrodes separated by long vacuum gaps. <i>Nuclear Fusion</i> , 2020, 60, 076010.	3.5	12
12	Thermal Shock and Oxidation Behavior of HiPIMS TiAlN Coatings Grown on Ti-48Al-2Cr-2Nb Intermetallic Alloy. <i>Materials</i> , 2016, 9, 961.	2.9	11
13	PdAg/alumina membranes prepared by high power impulse magnetron sputtering for hydrogen separation. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 7982-7989.	7.1	11
14	Effect of alumina coatings on corrosion protection of steels in molten lead. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2018, 36, .	1.2	9
15	Mechanical and Tribological Properties of Ta-N and Ta-Al-N Coatings Deposited by Reactive High Power Impulse Magnetron Sputtering. <i>Materials</i> , 2022, 15, 3354.	2.9	9
16	Effect of temperature and deposition technology on the microstructure, chemistry and tribo-mechanical characteristics of Ti-B based thin films by magnetron sputtering. <i>Surface and Coatings Technology</i> , 2021, 405, 126556.	4.8	7
17	Effects of Nitrogen Concentration on Microstructure of Tungsten Coatings Synthesized by Plasma Sputtering Method. <i>Journal of Fusion Energy</i> , 2015, 34, 1246-1251.	1.2	6
18	Microwave assisted sintering of Na ₂ Al ₂ O ₆ in single mode cavities: Insights in the use of 2450 MHz frequency and preliminary experiments at 5800 MHz. <i>Ceramics International</i> , 2020, 46, 28767-28777.	4.8	4

#	ARTICLE	IF	CITATIONS
19	Design optimization of RF lines in vacuum environment for the MITICA experiment. Review of Scientific Instruments, 2016, 87, 02B314.	1.3	2
20	Production Strategies of TiN _x Coatings via Reactive High Power Impulse Magnetron Sputtering for Selective H ₂ Separation. Membranes, 2021, 11, 360.	3.0	2
21	Magnetron Sputtering of Au-Based Alloys on NiTi Elements: Surface Investigation for New Products in SMA-Based Fashion and Luxury Accessories and Watchmaking. Coatings, 2022, 12, 136.	2.6	2
22	Removing of Mixed Coatings by Plasma Discharges. Journal of Fusion Energy, 2013, 32, 642-646.	1.2	1
23	Surface Optimization of Commercial Porous Ti Substrates by EPD of Titanium Nitride. Membranes, 2022, 12, 531.	3.0	1