

Valentina Zin

List of Publications by Year in descending order

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29
papers

579
citations

566801

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610482

24
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29
all docs

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docs citations

29
times ranked

719
citing authors

#	ARTICLE	IF	CITATIONS
1	Sonoelectrochemical (20kHz) production of platinum nanoparticles from aqueous solutions. <i>Electrochimica Acta</i> , 2009, 54, 7201-7206.	2.6	60
2	Tribological Properties of Engine Oil with Carbon Nano-horns as Nano-additives. <i>Tribology Letters</i> , 2014, 55, 45-53.	1.2	55
3	Improved tribological and thermal properties of lubricants by graphene based nano-additives. <i>RSC Advances</i> , 2016, 6, 59477-59486.	1.7	50
4	The Synthesis and Effect of Copper Nanoparticles on the Tribological Properties of Lubricant Oils. <i>IEEE Nanotechnology Magazine</i> , 2013, 12, 751-759.	1.1	48
5	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.	2.2	40
6	Influence of Cu, TiO ₂ Nanoparticles and Carbon Nano-Horns on Tribological Properties of Engine Oil. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 3590-3598.	0.9	38
7	Effect of external magnetic field on tribological properties of goethite (α-FeOOH) based nanofluids. <i>Tribology International</i> , 2018, 127, 341-350.	3.0	30
8	Sonoelectrochemical (20kHz) production of Co ₆₅ Fe ₃₅ alloy nanoparticles from Aotani solutions. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 395-402.	1.5	27
9	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.	2.3	26
10	Characterization of Cu-Ni alloy electrodeposition and synthesis of nanoparticles by pulsed sonoelectrochemistry. <i>Materials Chemistry and Physics</i> , 2014, 144, 272-279.	2.0	22
11	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.	3.0	19
12	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.	2.2	16
13	TiO ₂ -HA bi-layer coatings for improving the bioactivity and service-life of Ti dental implants. <i>Surface and Coatings Technology</i> , 2019, 378, 125049.	2.2	16
14	Iron-chromium alloy nanoparticles produced by pulsed sonoelectrochemistry: Synthesis and characterization. <i>Acta Materialia</i> , 2010, 58, 311-319.	3.8	15
15	Structural, morphological and mechanical characterization of Mo sputtered coatings. <i>Surface and Coatings Technology</i> , 2015, 266, 14-21.	2.2	15
16	Nanofluids characterization and application as nanolubricants in heat pump systems. <i>Science and Technology for the Built Environment</i> , 2015, 21, 621-630.	0.8	15
17	The influence of goethite nanorods on structural transitions in liquid crystal 6CHBT. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 459, 26-32.	1.0	12
18	Thermal Shock and Oxidation Behavior of HiPIMS TiAlN Coatings Grown on Ti-48Al-2Cr-2Nb Intermetallic Alloy. <i>Materials</i> , 2016, 9, 961.	1.3	11

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19	Assessment of synergistic effects of LP-MOCVD TiO ₂ and Ti surface finish for dental implant purposes. Applied Surface Science, 2019, 490, 568-579.	3.1	10
20	Insights on the Interfacial Processes Involved in the Mechanical and Redox Stability of the BaCe _{0.65} Zr _{0.2} OY _{0.15} O ₃ †Ce _{0.85} Gd _{0.15} O ₂ Composite. ACS Applied Energy Materials, 2020, 3, 9877-9888.	0.5	10
21	Effect of alumina coatings on corrosion protection of steels in molten lead. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2018, 36, .	0.6	9
22	Mechanical and Tribological Properties of Ta-N and Ta-Al-N Coatings Deposited by Reactive High Power Impulse Magnetron Sputtering. Materials, 2022, 15, 3354.	1.3	9
23	Effect of temperature and deposition technology on the microstructure, chemistry and tribo-mechanical characteristics of Ti-B based thin films by magnetron sputtering. Surface and Coatings Technology, 2021, 405, 126556.	2.2	7
24	Sonoelectrochemical Synthesis of FeCo Nanoparticles: Study of the Effects of Baths Composition on Process Efficiency and Particles Features. Current Nanoscience, 2009, 5, 232-239.	0.7	6
25	Temperature dependent properties and aggregation behaviour of FeCo nanoparticles produced sonoelectrochemically. Journal of Nanoparticle Research, 2011, 13, 7253-7262.	0.8	4
26	Easy preparation method of stable copper-based nanoparticle suspensions in lubricant engine oil. Lubrication Science, 2020, 32, 205-217.	0.9	4
27	Production Strategies of TiN _x Coatings via Reactive High Power Impulse Magnetron Sputtering for Selective H ₂ Separation. Membranes, 2021, 11, 360.	1.4	2
28	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.	1.2	2
29	Surface Optimization of Commercial Porous Ti Substrates by EPD of Titanium Nitride. Membranes, 2022, 12, 531.	1.4	1