

Cristiano S Abreu

List of Publications by Year in descending order

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27
papers

682
citations

471509

17
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580821

25
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27
all docs

27
docs citations

27
times ranked

695
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensorial Perception of Astringency: Oral Mechanisms and Current Analysis Methods. <i>Foods</i> , 2020, 9, 1124.	4.3	36
2	Implant surface design for improved implant stability – A study on Ti6Al4V dense and cellular structures produced by Selective Laser Melting. <i>Tribology International</i> , 2019, 129, 272-282.	5.9	43
3	Ti6Al4V-PEEK multi-material structures – design, fabrication and tribological characterization focused on orthopedic implants. <i>Tribology International</i> , 2019, 131, 672-678.	5.9	28
4	Effect of HAp and β -TCP incorporation on the tribological response of Ti6Al4V biocomposites for implant parts. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 1010-1016.	3.4	5
5	Ti6Al4V laser surface preparation and functionalization using hydroxyapatite for biomedical applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 1534-1545.	3.4	22
6	Electrically Conductive Polyetheretherketone Nanocomposite Filaments: From Production to Fused Deposition Modeling. <i>Polymers</i> , 2018, 10, 925.	4.5	71
7	Bioactive materials driven primary stability on titanium biocomposites. <i>Materials Science and Engineering C</i> , 2017, 77, 1104-1110.	7.3	22
8	Effect of relative humidity and temperature on the tribology of multilayer micro/nanocrystalline CVD diamond coatings. <i>Diamond and Related Materials</i> , 2017, 73, 190-198.	3.9	16
9	Tribological characterization of TiO ₂ /Au decorative thin films obtained by PVD magnetron sputtering technology. <i>Wear</i> , 2015, 330-331, 419-428.	3.1	13
10	Properties of tantalum oxynitride thin films produced by magnetron sputtering: The influence of processing parameters. <i>Vacuum</i> , 2013, 98, 63-69.	3.5	33
11	Self-mated tribological systems based on multilayer micro/nanocrystalline CVD diamond coatings. <i>Wear</i> , 2013, 303, 225-234.	3.1	33
12	A DLC/diamond bilayer approach for reducing the initial friction towards a high bearing capacity. <i>Wear</i> , 2012, 290-291, 18-24.	3.1	8
13	Nanodiamond-based tribosystems. <i>Surface and Coatings Technology</i> , 2010, 204, 1962-1969.	4.8	14
14	HFCVD nanocrystalline diamond coatings for tribo-applications in the presence of water. <i>Diamond and Related Materials</i> , 2009, 18, 271-275.	3.9	42
15	CVD diamond water lubricated tribosystems for high load planar sliding. <i>Wear</i> , 2008, 265, 1023-1028.	3.1	24
16	Tribological characterization of NCD in physiological fluids. <i>Diamond and Related Materials</i> , 2008, 17, 848-852.	3.9	31
17	Biotribological performance of NCD coated Si ₃ N ₄ – bioglass composites. <i>Diamond and Related Materials</i> , 2007, 16, 790-795.	3.9	39
18	Friction and wear performance of HFCVD nanocrystalline diamond coated silicon nitride ceramics. <i>Diamond and Related Materials</i> , 2006, 15, 739-744.	3.9	68

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19	Enhanced performance of HFCVD nanocrystalline diamond self-mated tribosystems by plasma pretreatments on silicon nitride substrates. <i>Diamond and Related Materials</i> , 2006, 15, 2024-2028.	3.9	31
20	Tribological testing of self-mated nanocrystalline diamond coatings on Si ₃ N ₄ ceramics. <i>Surface and Coatings Technology</i> , 2006, 200, 6235-6239.	4.8	23
21	Reciprocating sliding behaviour of self-mated amorphous diamond-like carbon coatings on Si ₃ N ₄ ceramics under tribological stress. <i>Thin Solid Films</i> , 2006, 515, 2192-2196.	1.8	1
22	CVD diamond coated silicon nitride self-mated systems: tribological behaviour under high loads. <i>Tribology Letters</i> , 2006, 21, 141-151.	2.6	43
23	In-Situ Friction Monitoring of Self-Mated CVD Diamond Coatings Using Acoustic Emission. <i>Materials Science Forum</i> , 2006, 514-516, 749-753.	0.3	0
24	Grain size effect on self-mated CVD diamond dry tribosystems. <i>Wear</i> , 2005, 259, 771-778.	3.1	31
25	Tribological Characterization of Si ₃ N ₄ -Bioglass Biocomposites in Self-Mating Experiments and Dissimilar Tests against UHMWPE. <i>Key Engineering Materials</i> , 2002, 230-232, 455-458.	0.4	0
26	Helimagnetism and field-induced phases in random Gd ₆₄ Sc ₃₆ single crystals. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 7115-7124.	1.8	3
27	Magnetic and transport properties of amorphous Gd ^v films. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 196-197, 251-252.	2.3	2