Cristiano S Abreu

List of Publications by Year
in descending order

27	682	471509 17	580821 25
papers	citations	h-index	g-index

27	27	27	695
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrically Conductive Polyetheretherketone Nanocomposite Filaments: From Production to Fused Deposition Modeling. Polymers, 2018, 10, 925.	4.5	71
2	Friction and wear performance of HFCVD nanocrystalline diamond coated silicon nitride ceramics. Diamond and Related Materials, 2006, 15, 739-744.	3.9	68
3	CVD diamond coated silicon nitride self-mated systems: tribological behaviour under high loads. Tribology Letters, 2006, 21, 141-151.	2.6	43
4	Implant surface design for improved implant stability â€“ A study on Ti6Al4V dense and cellular structures produced by Selective Laser Melting. Tribology International, 2019, 129, 272-282.	5.9	43
5	HFCVD nanocrystalline diamond coatings for tribo-applications in the presence of water. Diamond and Related Materials, 2009, 18, 271-275.	3.9	42
6	Biotribological performance of NCD coated Si3N4â€“bioglass composites. Diamond and Related Materials, 2007, 16, 790-795.	3.9	39
7	Sensorial Perception of Astringency: Oral Mechanisms and Current Analysis Methods. Foods, 2020, 9, 1124.	4.3	36
8	Properties of tantalum oxynitride thin films produced by magnetron sputtering: The influence of processing parameters. Vacuum, 2013, 98, 63-69.	3.5	33
9	Self-mated tribological systems based on multilayer micro/nanocrystalline CVD diamond coatings. Wear, 2013, 303, 225-234.	3.1	33
10	Grain size effect on self-mated CVD diamond dry tribosystems. Wear, 2005, 259, 771-778.	3.1	31
11	Enhanced performance of HFCVD nanocrystalline diamond self-mated tribosystems by plasma pretreatments on silicon nitride substrates. Diamond and Related Materials, 2006, 15, 2024-2028.	3.9	31
12	Tribological characterization of NCD in physiological fluids. Diamond and Related Materials, 2008, 17, 848-852.	3.9	31
13	Ti6Al4V-PEEK multi-material structures â€“ design, fabrication and tribological characterization focused on orthopedic implants. Tribology International, 2019, 131, 672-678.	5.9	28
14	CVD diamond water lubricated tribosystems for high load planar sliding. Wear, 2008, 265, 1023-1028.	3.1	24
15	Tribological testing of self-mated nanocrystalline diamond coatings on Si3N4 ceramics. Surface and Coatings Technology, 2006, 200, 6235-6239.	4.8	23
16	Bioactive materials driven primary stability on titanium biocomposites. Materials Science and Engineering C, 2017, 77, 1104-1110.	7.3	22
17	Ti6Al4V laser surface preparation and functionalization using hydroxyapatite for biomedical applications. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 1534-1545.	3.4	22
18	Effect of relative humidity and temperature on the tribology of multilayer micro/nanocrystalline CVD diamond coatings. Diamond and Related Materials, 2017, 73, 190-198.	3.9	16

#	Article	IF	Citations
19	Nanodiamond-based tribosystems. Surface and Coatings Technology, 2010, 204, 1962-1969.	4.8	14
20	Tribological characterization of TiO 2 /Au decorative thin films obtained by PVD magnetron sputtering technology. Wear, 2015, 330-331, 419-428.	3.1	13
21	A DLC/diamond bilayer approach for reducing the initial friction towards a high bearing capacity. Wear, 2012, 290-291, 18-24.	3.1	8
22	Effect of HAp and Î²â€TCP incorporation on the tribological response of Ti6Al4V biocomposites for implant parts. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 1010-1016.	3.4	5
23	Helimagnetism and field-induced phases in random Gd64Sc36single crystals. Journal of Physics Condensed Matter, 1999, 11, 7115-7124.	1.8	3
24	Magnetic and transport properties of amorphous Gdâ€”V films. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 251-252.	2.3	2
25	Reciprocating sliding behaviour of self-mated amorphous diamond-like carbon coatings on Si3N4 ceramics under tribological stress. Thin Solid Films, 2006, 515, 2192-2196.	1.8	1
26	Tribological Characterization of Si₃N₄-Bioglass Biocomposites in Self-Mating Experiments and Dissimilar Tests against UHMWPE. Key Engineering Materials, 2002, 230-232, 455-458.	0.4	0
27	In-Situ Friction Monitoring of Self-Mated CVD Diamond Coatings Using Acoustic Emission. Materials Science Forum, 2006, 514-516, 749-753.	0.3	0