

Jan MikÅ;ovskÃ½

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7125430/publications.pdf>

Version: 2024-02-01

21
papers

345
citations

840776

11
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

502
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial, mechanical and surface properties of Ag-DLC films prepared by dual PLD for medical applications. <i>Materials Science and Engineering C</i> , 2017, 77, 955-962.	7.3	49
2	Antibacterial, cytotoxicity and physical properties of laser " Silver doped hydroxyapatite layers. <i>Materials Science and Engineering C</i> , 2013, 33, 1242-1246.	7.3	46
3	Cell adhesion and growth on ultrananocrystalline diamond and diamond-like carbon films after different surface modifications. <i>Applied Surface Science</i> , 2014, 297, 95-102.	6.1	46
4	Chromium-doped DLC for implants prepared by laser-magnetron deposition. <i>Materials Science and Engineering C</i> , 2015, 46, 381-386.	7.3	46
5	Antibacterial properties of Ag-doped hydroxyapatite layers prepared by PLD method. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 101, 615-620.	2.3	34
6	Diamond/graphite content and biocompatibility of DLC films fabricated by PLD. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 101, 579-583.	2.3	26
7	Hybrid laser technology and doped biomaterials. <i>Applied Surface Science</i> , 2017, 417, 73-83.	6.1	15
8	Influence of surface pre-treatment with mechanical polishing, chemical, electrochemical and ion sputter etching on the surface properties, corrosion resistance and MG-63 cell colonization of commercially pure titanium. <i>Materials Science and Engineering C</i> , 2020, 115, 111065.	7.3	14
9	Evaluation of elastic properties of DLC layers using resonant ultrasound spectroscopy and AFM nanoindentation. <i>Surface and Coatings Technology</i> , 2011, 205, S67-S70.	4.8	13
10	Diamond-like carbon prepared by pulsed laser deposition with ion bombardment: physical properties. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	13
11	Comparison of the surface properties of <sc>DLC</sc> and ultrananocrystalline diamond films with respect to their bio-applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 2106-2110.	1.8	12
12	Dual laser deposition of Ti:DLC composite for implants. <i>Laser Physics</i> , 2016, 26, 105605.	1.2	10
13	Preliminary comparative study of laser-prepared DLC and Cr-doped DLC for bacteria adhesion. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 1437-1443.	2.3	8
14	PLD and RF discharge combination used for preparation of photocatalytic TiO ₂ layers. <i>Applied Surface Science</i> , 2012, 258, 9333-9336.	6.1	5
15	The evaluation and comparison of the practical adhesion strength of biocompatible nano and micro thin films by fuzzy logic. , 2012, , .		3
16	Silver-doped metal layers for medical applications. <i>Laser Physics</i> , 2014, 24, 085602.	1.2	2
17	Micro and Macro Scratch and Microhardness Study of Biocompatible DLC and TiO ₂ Films Prepared by Laser. <i>Advanced Materials Research</i> , 0, 647, 25-29.	0.3	1
18	Treatment of Onychomycosis Using Radiation of Excimer Laser. <i>Advanced Materials Research</i> , 2013, 647, 636-641.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Silver doped metal layers for medical applications. Journal of Physics: Conference Series, 2014, 497, 012021.	0.4	1
20	Assessment of the Suitability of Excimer Lasers in Treating Onychomycosis. Journal of Physics: Conference Series, 2014, 497, 012022.	0.4	0
21	Hybrid Laser Technology for Creation of Doped Biomedical Layers. Journal of Materials Science and Chemical Engineering, 2016, 04, 98-104.	0.4	0