Jan MikÅ¡ovskÃ½

List of Publications by Year
in descending order

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	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. Materials Science and Engineering C, 2020, 115, 111065.	7.3	14
2	Diamond-like carbon prepared by pulsed laser deposition with ion bombardment: physical properties. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	13
3	Hybrid laser technology and doped biomaterials. Applied Surface Science, 2017, 417, 73-83.	6.1	15
4	Antibacterial, mechanical and surface properties of Ag-DLC films prepared by dual PLD for medical applications. Materials Science and Engineering C, 2017, 77, 955-962.	7.3	49
5	Dual laser deposition of Ti:DLC composite for implants. Laser Physics, 2016, 26, 105605.	1.2	10
6	Hybrid Laser Technology for Creation of Doped Biomedical Layers. Journal of Materials Science and Chemical Engineering, 2016, 04, 98-104.	0.4	0
7	Chromium-doped DLC for implants prepared by laser-magnetron deposition. Materials Science and Engineering C, 2015, 46, 381-386.	7.3	46
8	Silver-doped metal layers for medical applications. Laser Physics, 2014, 24, 085602.	1.2	2
9	Preliminary comparative study of laser-prepared DLC and Cr-doped DLC for bacteria adhesion. Applied Physics A: Materials Science and Processing, 2014, 116, 1437-1443.	2.3	8
10	Cell adhesion and growth on ultrananocrystalline diamond and diamond-like carbon films after different surface modifications. Applied Surface Science, 2014, 297, 95-102.	6.1	46
11	Silver doped metal layers for medical applications. Journal of Physics: Conference Series, 2014, 497, 012021.	0.4	1
12	Assessment of the Suitability of Excimer Lasers in Treating Onychomycosis. Journal of Physics: Conference Series, 2014, 497, 012022.	0.4	0
13	Antibacterial, cytotoxicity and physical properties of laser â€" Silver doped hydroxyapatite layers. Materials Science and Engineering C, 2013, 33, 1242-1246.	7.3	46
14	Treatment of Onychomycosis Using Radiation of Excimer Laser. Advanced Materials Research, 2013, 647, 636-641.	0.3	1
15	Comparison of the surface properties of <scp>DLC</scp> and ultrananocrystalline diamond films with respect to their bioâ€applications. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2106-2110.	1.8	12
16	The evaluation and comparison of the practical adhesion strength of biocompatible nano and micro thin films by fuzzy logic. , 2012, , .		3
17	PLD and RF discharge combination used for preparation of photocatalytic TiO2 layers. Applied Surface Science, 2012, 258, 9333-9336.	6.1	5
18	Evaluation of elastic properties of DLC layers using resonant ultrasound spectroscopy and AFM nanoindentation. Surface and Coatings Technology, 2011, 205, S67-S70.	4.8	13

#	Article	IF	Citations
19	Antibacterial properties of Ag-doped hydroxyapatite layers prepared by PLD method. Applied Physics A: Materials Science and Processing, 2010, 101, 615-620.	2.3	34
20	Diamond/graphite content and biocompatibility of DLC films fabricated by PLD. Applied Physics A: Materials Science and Processing, 2010, 101, 579-583.	2.3	26
21	Micro and Macro Scratch and Microhardness Study of Biocompatible DLC and TiO₂ Films Prepared by Laser. Advanced Materials Research, 0, 647, 25-29.	0.3	1