

Maksym Rybachuk

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4939789/publications.pdf>

Version: 2024-02-01

33
papers

797
citations

643344

15
h-index

563245

28
g-index

33
all docs

33
docs citations

33
times ranked

1334
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuron-fibrous scaffold interfaces in the peripheral nervous system: a perspective on the structural requirements. <i>Neural Regeneration Research</i> , 2022, 17, 1893.	1.6	17
2	Laser-Induced Graphitization of Diamond Under 30 fs Laser Pulse Irradiation. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2679-2685.	2.1	8
3	Multimodal Fibrous Static and Dynamic Tactile Sensor. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 27317-27327.	4.0	11
4	Electrospun PGS/PCL, PLLA/PCL, PLGA/PCL and pure PCL scaffolds for retinal progenitor cell cultivation. <i>Biochemical Engineering Journal</i> , 2021, 166, 107846.	1.8	31
5	Strategies on the application of stem cells based therapies for the treatment of optic neuropathies. <i>Neural Regeneration Research</i> , 2021, 16, 1190.	1.6	4
6	Design and automation of electrical cable harnesses testing system. <i>Microelectronics Reliability</i> , 2021, 120, 114097.	0.9	2
7	The role of PGS/PCL scaffolds in promoting differentiation of human embryonic stem cells into retinal ganglion cells. <i>Acta Biomaterialia</i> , 2021, 126, 238-248.	4.1	14
8	Femtosecond laser micromachining of diamond: Current research status, applications and challenges. <i>Carbon</i> , 2021, 179, 209-226.	5.4	44
9	Encapsulation of an anticancer drug Isatin inside a host nano-vehicle SWCNT: a molecular dynamics simulation. <i>Scientific Reports</i> , 2021, 11, 18753.	1.6	21
10	Retinal Tissue Bioengineering, Materials and Methods for the Treatment of Glaucoma. <i>Tissue Engineering and Regenerative Medicine</i> , 2020, 17, 253-269.	1.6	14
11	Defects in Nanostructures. , 2019, , 1-14.		0
12	Defects in Nanostructures. , 2018, , 1-14.		1
13	Numerical Analysis of the Structural Stability of Ideal (Defect-Free) and Structurally and Morphologically Degenerated Homogeneous, Linearly- and Angle-Adjoined Nanotubes and Cylindrical Fullerenes Under Axial Loading Using Finite Element Method. <i>International Journal of Applied Mechanics</i> , 2018, 10, 1850100.	1.3	1
14	Defects in carbon nanotubes. , 2018, , 87-136.		9
15	Anisotropic mechanical properties of fused deposition modeled parts fabricated by using acrylonitrile butadiene styrene polymer. <i>Journal of Polymer Engineering</i> , 2017, 37, 699-706.	0.6	54
16	Pathway Distribution Model for Solute Transport in Stratum Corneum. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 4443-4447.	1.6	10
17	Charge transport and activation energy of amorphous silicon carbide thin film on quartz at elevated temperature. <i>Applied Physics Express</i> , 2015, 8, 061303.	1.1	41
18	Ullmann-type coupling of brominated tetrathienoanthracene on copper and silver. <i>Nanoscale</i> , 2014, 6, 2660-2668.	2.8	106

#	ARTICLE	IF	CITATIONS
19	Surface modification of poly(l-lactide) and polycaprolactone bioresorbable polymers using RF plasma discharge with sputter deposition of a hydroxyapatite target. <i>Materials Letters</i> , 2014, 132, 281-284.	1.3	26
20	Silver Nanowires Terminated by Metallic Nanoparticles as Effective Plasmonic Antennas. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2547-2553.	1.5	17
21	Near infrared optical materials from polymeric amorphous carbon synthesized by collisional plasma process. <i>Applied Physics Letters</i> , 2010, 96, 211909.	1.5	10
22	Electronic states of trans-polyacetylene, poly(p-phenylene vinylene) and sp-hybridised carbon species in amorphous hydrogenated carbon probed by resonant Raman scattering. <i>Carbon</i> , 2009, 47, 2481-2490.	5.4	80
23	Nanostructure and sp ¹ /sp ² clustering in tetrahedral amorphous carbon thin films grown by femtosecond laser deposition. <i>Journal of Laser Applications</i> , 2008, 20, 37-42.	0.8	5
24	Femtosecond pulsed laser deposition and optical properties of diamond-like amorphous carbon films embedded with sp-bonded carbon chains. <i>Diamond and Related Materials</i> , 2008, 17, 1643-1646.	1.8	17
25	Growth of diamond-like carbon films using low energy ion beam sputter - bombardment deposition with Ar ions. <i>Journal of Physics: Conference Series</i> , 2008, 100, 082009.	0.3	4
26	Resonant Raman scattering from polyacetylene and poly(p-phenylene vinylene) chains included into hydrogenated amorphous carbon. <i>Applied Physics Letters</i> , 2008, 93, 051904.	1.5	17
27	SYNTHESIS OF DIAMOND-LIKE CARBON FILMS USING A BI-MODAL SPUTTER DEPOSITION WITH Xe IONS. <i>Surface Review and Letters</i> , 2007, 14, 735-738.	0.5	2
28	Direct synthesis of sp-bonded carbon chains on graphite surface by femtosecond laser irradiation. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	101
29	Spectroscopic characterization of carbon chains in nanostructured tetrahedral carbon films synthesized by femtosecond pulsed laser deposition. <i>Journal of Chemical Physics</i> , 2007, 126, 154705.	1.2	71
30	Nanobuckling and x-ray photoelectron spectra of carbyne-rich tetrahedral carbon films deposited by femtosecond laser ablation at cryogenic temperatures. <i>Journal of Applied Physics</i> , 2007, 102, 074311.	1.1	24
31	The effect of sp ² fraction and bonding disorder on micro-mechanical and electronic properties of a-C:H films. <i>Thin Solid Films</i> , 2007, 515, 7855-7860.	0.8	23
32	The observation of sp ² fraction disorder using dual wavelength Raman spectroscopy in a-C:H films fabricated using an open inductively coupled plasma reactor. <i>Diamond and Related Materials</i> , 2006, 15, 977-981.	1.8	12
33	The morphology of hydrogenated diamond-like films and the effect of the sp ² fraction disorder on electronic and micro-mechanical properties. , 2005, , .		0