Piotr J Kula

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3255923/publications.pdf

Version: 2024-02-01

57	658	566801 15	676716 22
papers	citations	h-index	g-index

57	57	57	459
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimization of Glutathione Adhesion Process to Modified Graphene Surfaces. Nanomaterials, 2021, 11, 756.	1.9	2
2	Emerging Technology for a Green, Sustainable Energy-Promising Materials for Hydrogen Storage, from Nanotubes to Grapheneâ€"A Review. Materials, 2021, 14, 2499.	1.3	22
3	Impact of a Graphene Oxide Reducing Agent on a Semi-Permeable Graphene/Reduced Graphene Oxide Forward Osmosis Membrane Filtration Efficiency. Membranes, 2021, 11, 679.	1.4	3
4	Synthesis and characterization of semi-permeable graphene/graphene oxide membranes for water desalination. Journal of Materials Science, 2020, 55, 9775-9786.	1.7	18
5	Quasi-Monocrystalline Graphene Crystallization on Liquid Copper Matrix. Materials, 2020, 13, 2606.	1.3	4
6	Low Frictional MoS2/WS2/FineLPN Hybrid Layers on Nodular Iron. Coatings, 2020, 10, 293.	1.2	5
7	High strength metallurgical graphene as an additional reinforcing phase for carbon fibre composites. Archives of Civil and Mechanical Engineering, 2020, 20, 1.	1.9	2
8	Neural computing for a low-frictional coatings manufacturing of aircraft enginesâ€™ piston rings. Neural Computing and Applications, 2019, 31, 4891-4901.	3.2	10
9	Calculation of the Mixture Flow in a Low-Pressure Carburizing Process. Metals, 2019, 9, 439.	1.0	7
10	CREATION OF A 3D STRUCTURE BASED ON THE HIGH STRENGTH METALLURGICAL GRAPHENEÂ®. Surface Review and Letters, 2019, 26, 1850206.	0.5	5
11	Influence of the Interactions at the Grapheneâ€"Substrate Boundary on Graphene Sensitivity to UV Irradiation. Materials, 2019, 12, 3949.	1.3	4
12	Spatial functionalization of graphene powder using 1,4-dichlorobutane on ceramic substrate. Materials Chemistry and Physics, 2018, 215, 376-384.	2.0	1
13	Resistance-temperature characteristics of CVD and high strength metallurgical graphene. International Journal of Nanotechnology, 2017, 14, 191.	0.1	3
14	A Fully Transparent Flexible Sensor for Cryogenic Temperatures Based on High Strength Metallurgical Graphene. Sensors, 2017, 17, 51.	2.1	21
15	LOW PRESSURE CARBURIZING IN A LARGE-CHAMBER DEVICE FOR HIGH-PERFORMANCE AND PRECISION THERMAL TREATMENT OF PARTS OF MECHANICAL GEAR. Advances in Science and Technology Research Journal, 2017, 11, 253-258.	0.4	2
16	High strength metallurgical graphene for hydrogen storage nanocomposites. Vacuum, 2016, 129, 79-85.	1.6	23
17	Carburizing: Deep, Case Structure and Process Technology. , 2016, , 615-630.		1
18	The Effect of the Quenching Method on the Deformations Size of Gear Wheels after Vacuum Carburizing. Archives of Metallurgy and Materials, 2016, 61, 1057-1062.	0.6	24

#	Article	IF	Citations
19	Frictional behaviour of polycrystalline graphene grown on liquid metallic matrix. Tribology International, 2016, 93, 628-639.	3.0	27
20	High Strength Metallurgical Graphene â€“ Mechanisms of Growth and Properties / Grafen Metalurgiczny O Wysokiej WytrzymaÅ‚oÅ›ci â€“ Mechanizmy Wzrostu I WÅ‚aÅ›ciwoÅ›ci. Archives of Metallurgy and Materials, 2015, 60, 2535-2542.	0.6	16
21	Method of Determining the Strain Hardening of Carburized Elements in Ansys Environment. Solid State Phenomena, 2015, 240, 74-80.	0.3	7
22	The Role of Carbides in Formation of Surface Layer on Steel X153CrMoV12 Due to Low-Pressure Nitriding (Vacuum Nitriding). Metal Science and Heat Treatment, 2015, 57, 32-35.	0.2	4
23	Effect of the Content of Retained Austenite and Grain Size on the Fatigue Bending Strength of Steels Carburized in a Low-Pressure Atmosphere. Metal Science and Heat Treatment, 2014, 56, 440-443.	0.2	8
24	Papillary fibroelastoma of the mitral valve as an unusual cause of myocardial infarction in a 20-year-old patient. European Heart Journal, 2014, 35, 1970-1970.	1.0	5
25	â€œBoost-diffusionâ€•vacuum carburising â€“ Process optimisation. Vacuum, 2014, 99, 175-179.	1.6	38
26	Functionality of graphene as a result of its heterogenic growth on SiC nanoparticles on the basis of reversible hydrogen storage. International Journal of Hydrogen Energy, 2014, 39, 19662-19671.	3.8	10
27	Wolne i biodostÄ™pne frakcje steroidÃ³w pÅ‚ciowych mogÄ… wpÅ‚ywaÄ‡ na koÅ›ci u mÅ‚odych mÄ™Å¼czyzn w zaleÅ¼noÅ›ci od wieku i stÄ™Å¼enia estradiolu. Endokrynologia Polska, 2014, 65, 357-364.	0.8	4
28	Hydrogen influence on material interaction with ZDDP and MoDTC lubricant additives. Wear, 2013, 297, 966-971.	1.5	6
29	Non-steady state approach to the vacuum nitriding for tools. Vacuum, 2013, 88, 1-7.	1.6	23
30	Activation of carbon deposit in the process of vacuum carburizing with preliminary nitriding. Vacuum, 2013, 87, 26-29.	1.6	13
31	The Precipitation and Dissolution of Alloy Iron Carbides in Vacuum Carburization Processes for Automotive and Aircraft Applications - Part II. Advanced Materials Research, 2012, 486, 303-308.	0.3	1
32	The Precipitation and Dissolution of Alloy Iron Carbides in Vacuum Carburization Processes for Automotive and Aircraft Applications - Part I. Advanced Materials Research, 2012, 486, 297-302.	0.3	6
33	Fatal outcome of early postoperative myocardial infarction after implantation of aortic valve bioprosthesis and left internal thoracic artery anastomosis to left anterior descending coronary artery caused by closure of unchanged circumflex coronary artery. Kardiochirurgia I Torakochirurgia Polska, 2012, 4, 424-427.	0.1	0
34	Practical Application of Artificial Neural Networks in Designing Parameters of Steel Heat Treatment Processes. Lecture Notes in Computer Science, 2012, , 196-203.	1.0	0
35	Performance of containers with hydrogen storage alloys for hydrogen compression in heat treatment facilities. Journal of Alloys and Compounds, 2011, 509, 3972-3977.	2.8	18
36	Simulation And Control Of Tool Steel Quenching Process. , 2011, , .		1

#	Article	IF	Citations
37	Research on compressor utilizing hydrogen storage materials for application in heat treatment facilities. Journal of Alloys and Compounds, 2009, 480, 612-616.	2.8	19
38	Hydrogen's interaction with hardened surface layers in lubricated frictional couples. Tribology International, 2007, 40, 1613-1618.	3.0	2
39	Comparison of Shot Peening and Nitriding Surface Treatments under Complex Fretting Loadings. Materials Science Forum, 2006, 513, 105-118.	0.3	4
40	Oxidation Resistance of Nanocrystalline Microalloyed Î³â€“TiAl Coatings under Isothermal Conditions and Thermal Fatigue. Materials Science Forum, 2006, 513, 135-148.	0.3	1
41	Surface Heat Treatment Design Methodology of Large-Scale Castings. Materials Science Forum, 2006, 513, 61-68.	0.3	0
42	Technological Surface Layer Selection for Small Module Pitches of Gear Wheels Working under Cyclic Contact Loads. Materials Science Forum, 2006, 513, 69-74.	0.3	16
43	Endogenous Estradiol and Testosterone may Predispose toward Atherogenic Lipid Profile, but Higher Blood Level of Testosterone is Associated with Lower Number of Stenoses in the Coronary Arteries of Men with Coronary Disease. International Journal of Biomedical Science, 2006, 2, 135-42.	0.5	0
44	Synergistic effects of thermo-chemical treatment and super abrasive grinding in gearsâ€™ manufacturing. Journal of Materials Processing Technology, 2005, 159, 249-256.	3.1	12
45	Vacuum carburizingâ€”process optimization. Journal of Materials Processing Technology, 2005, 164-165, 876-881.	3.1	67
46	The relationship between sex hormones and lipid profile in men with coronary artery disease. International Journal of Cardiology, 2005, 101, 105-110.	0.8	35
47	Sex Steroids and Heart Rate Variability in Patients after Myocardial Infarction. Annals of Noninvasive Electrocardiology, 2004, 9, 156-161.	0.5	23
48	Heat Conduction in PVD Nanocoatings. Tribology Letters, 2004, 17, 791-796.	1.2	0
49	The effect of hydrogen in lubricated frictional couples. Wear, 1997, 212, 199-205.	1.5	9
50	The â€œself-lubricationâ€•by hydrogen during dry friction of hardened surface layers. Wear, 1996, 201, 155-162.	1.5	12
51	The comparison of resistance to â€œhydrogen wearâ€•of hardened surface layers. Wear, 1994, 178, 117-121.	1.5	14
52	Low-Pressure Nitriding According to the FineLPN Technology in Multi-Purpose Vacuum Furnaces. Advanced Materials Research, 0, 586, 230-234.	0.3	6
53	Properties of Surface Layers Processed by a New, High-Temperature Vacuum Carburizing Technology with Prenitriding - PreNitLPCÂ®. Advanced Materials Research, 0, 452-453, 401-406.	0.3	12
54	Mathematical Modelling the Low-Pressure Nitriding Process. Applied Mechanics and Materials, 0, 421, 377-383.	0.2	13

#	Article	IF	Citations
55	Single and Multilayer Growth of Graphene from the Liquid Phase. Applied Mechanics and Materials, 0, 510, 8-12.	0.2	64
56	Investigating Fatigue Strength of Vacuum Carburized 17CrNi6-6 Steel Using a Resonance High Frequency Method. Solid State Phenomena, 0, 225, 45-52.	0.3	2
57	Properties of Surface Layers Processed by a New, High-Temperature Vacuum Carburizing Technology with Prenitriding - PreNitLPCÂ®. Advanced Materials Research, 0, 452-453, 401-406.	0.3	3