Mariusz Zdrojek

List of Publications by Year in Descending Order

80 papers	2,082 citations	21 h-index	44 g-index
87 ext. papers	2,393 ext. citations	5 avg, IF	4.86 L-index

#	Paper	IF	Citations
80	Three-step, transfer-free growth of MoS2/WS2/graphene vertical van der Waals heterostructure. *2D Materials*, **2022**, 9, 025030	5.9	0
79	Broadband Metallic Carbon Nanotube Saturable Absorber for Ultrashort Pulse Generation in the 1500–2100 nm Spectral Range. *Applied Sciences (Switzerland)*, **2021**, 11, 3121	2.6	1
78	Graphene Infused Ecological Polymer Composites for Electromagnetic Interference Shielding and Heat Management Applications. *Materials*, **2021**, 14,	3.5	2
77	Phonon and Thermal Properties of Thin Films Made from WS2 Mono- and Few-Layer Flakes. *Journal of Physical Chemistry C*, **2021**, 125, 14446-14452	3.8	2
76	Doping and plasmonic Raman enhancement in hybrid single walled carbon nanotubes films with embedded gold nanoparticles. *Carbon*, **2021**, 179, 531-540	10.4	3
75	Terahertz time domain spectroscopy of graphene and MXene polymer composites. *Journal of Applied Polymer Science*, **2021**, 138, 49962	2.9	4
74	Kinetics of the thermal reduction process in graphene oxide thin films from in-situ transport measurements. *Materials Research Express*, **2021**, 8, 015601	1.7	2
73	Terahertz Shielding Properties of Carbon Black Based Polymer Nanocomposites. *Materials*, **2021**, 14,	3.5	9
72	Determination of the electronic transport in type separated carbon nanotubes thin films doped with gold nanocrystals. *Scientific Reports*, **2021**, 11, 16690	4.9	1
71	Optimization of Ultra-Thin Pulsed-DC Magnetron Sputtered Aluminum Films for the Technology of Hyperbolic Metamaterials. *Crystals*, **2020**, 10, 384	2.3	6
70	Complexity of temperature-dependent Raman spectra and phonons properties on the example of carbon nanotubes thin films. *Journal of Raman Spectroscopy*, **2020**, 51, 1996-2006	2.3	1
69	Technology and optimization of hafnium oxynitride (HfOxNy) thin-films formed by pulsed-DC reactive magnetron sputtering for MIS devices. *Microelectronic Engineering*, **2020**, 228, 111332	2.5	3
68	Study of optical properties of graphene flakes and its derivatives in aqueous solutions. *Optics Express*, **2020**, 28, 7274-7281	3.3	8
67	Wavelength- and dispersion-tunable ultrafast holmium-doped fiber laser with dual-color operation. *Optics Letters*, **2020**, 45, 956-959	3	10
66	Wavelength- and dispersion-tunable ultrafast holmium-doped fiber laser with dual-color operation: publisher's note. *Optics Letters*, **2020**, 45, 1280	3	
65	Carbon-based terahertz absorbers: Materials, applications, and perspectives. *Nano Select*, **2020**, 1, 471-490	3.1	8
64	Time Dependence of Photocurrent in Chemical Vapor Deposition MoS2 Monolayers: Intrinsic Properties and Environmental Effects. *Journal of Physical Chemistry C*, **2020**, 124, 18741-18746	3.8	4

63	Substrate-Induced Variances in Morphological and Structural Properties of MoS Grown by Chemical Vapor Deposition on Epitaxial Graphene and SiO. *ACS Applied Materials & Interfaces*, **2020**, 12, 45101-45110	9.5	9
62	Study of Structural and Optoelectronic Properties of Thin Films Made of a Few Layered WS Flakes. *Materials*, **2020**, 13,	3.5	3
61	Impact of germanium substrate orientation on morphological and structural properties of graphene grown by CVD method. *Applied Surface Science*, **2020**, 499, 143913	6.7	6
60	Thermal properties of thin films made from MoS nanoflakes and probed via statistical optothermal Raman method. *Scientific Reports*, **2019**, 9, 13338	4.9	9
59	Temperature-induced phonon behavior in titanium disulfide (TiS2) nanosheets. *Journal of Raman Spectroscopy*, **2019**, 50, 1114-1119	2.3	5
58	Metallic carbon nanotube-based saturable absorbers for holmium-doped fiber lasers. *Optics Express* , **2019**, 27, 11361-11369	3.3	18
57	Hydrogen intercalation of CVD graphene on germanium (001) □Strain and doping analysis using Raman spectroscopy. *Applied Surface Science*, **2019**, 473, 203-208	6.7	10
56	Graphene-based plastic absorber for total sub-terahertz radiation shielding. *Nanoscale*, **2018**, 10, 13426-13431	7.7	32
55	Temperature dependence of phonon properties in CVD MoS nanostructures - a statistical approach. *Physical Chemistry Chemical Physics*, **2018**, 20, 15486-15495	3.6	5
54	Study of the absorption coefficient of graphene-polymer composites. *Scientific Reports*, **2018**, 8, 9132	4.9	41
53	Ultraviolet to far-infrared transmission properties of thin film multi-walled carbon nanotube random networks. *Journal of Materials Science*, **2017**, 52, 3086-3094	4.3	6
52	CNT-based saturable absorbers with scalable modulation depth for Thulium-doped fiber lasers operating at 1.9 □m. *Scientific Reports*, **2017**, 7, 45491	4.9	31
51	Statistical analysis of the reduction process of graphene oxide probed by Raman spectroscopy mapping. *Journal of Physics Condensed Matter*, **2017**, 29, 475201	1.8	21
50	Statistical analysis of the temperature dependence of the phonon properties in supported CVD graphene. *Carbon*, **2017**, 124, 1-8	10.4	7
49	Characterization of the CVD Graphene Monolayer as an Active Element of a One-Port Microwave Device. *IEEE Transactions on Electron Devices*, **2017**, 64, 4340-4345	2.9	1
48	Characterization of Finite-Width Ground Coplanar Waveguides on High Resistivity Silicon With Ultralow Metallization Thickness. *IEEE Transactions on Microwave Theory and Techniques*, **2017**, 65, 4836-4842	4.1	3
47	Microwave Resistivity of Thermally Oxidized High Resistivity Silicon Wafers. *Journal of Electronic Materials*, **2017**, 46, 5589-5592	1.9	
46	Raman spectroscopy of layered lead tin disulfide (PbSnS2) thin films. *Journal of Raman Spectroscopy*, **2017**, 48, 479-484	2.3	10

45	Optical Interference Effects in Visible-Near Infrared Spectral Range for Arrays of Vertically Aligned Multiwalled Carbon Nanotubes. *Acta Physica Polonica A*, **2017**, 131, 232-236	0.6	1
44	Comparison of structural, mechanical and corrosion properties of thin TiO2/graphene hybrid systems formed on Ti□lV alloys in biomedical applications. *Surface and Coatings Technology*, **2016**, 290, 124-134	4.4	10
43	Temperature induced phonon behaviour in germanium selenide thin films probed by Raman spectroscopy. *Journal Physics D: Applied Physics*, **2016**, 49, 315301	3	19
42	Energy transfer from natural photosynthetic complexes to single-wall carbon nanotubes. *Journal of Luminescence*, **2016**, 170, 855-859	3.8	3
41	Temperature Evolution of Phonon Properties in Few-Layer Black Phosphorus. *Journal of Physical Chemistry C*, **2016**, 120, 5265-5270	3.8	49
40	The Effect of Graphene Monolayer on Structural, Mechanical and Corrosion Properties of Multi-Coating System, Based on SiN Thin Film, Deposited on Ti6Al4V Alloy Surface **2016**, 1853-1862		
39	Phonon properties in different types of single-walled carbon nanotube thin films probed by Raman spectroscopy. *Carbon*, **2016**, 105, 377-386	10.4	19
38	Mechanical and electrochemical properties of Nb2O5, Nb2O5:Cu and graphene layers deposited on titanium alloy (Ti6Al4V). *Surface and Coatings Technology*, **2015**, 271, 92-99	4.4	18
37	High accuracy determination of the thermal properties of supported 2D materials. *Scientific Reports*, **2015**, 5, 12422	4.9	61
36	Determination of structural, mechanical and corrosion properties of titanium alloy surface covered by hybrid system based on graphene monolayer and silicon nitride thin films. *Thin Solid Films*, **2015**, 583, 212-220	2.2	11
35	Temperature-dependent thermal properties of supported MoS2 monolayers. *ACS Applied Materials & Interfaces*, **2015**, 7, 5061-5	9.5	133
34	Synthesis of Carbon Nanotubes from Propane. *Chemical Vapor Deposition*, **2015**, 21, 94-98		3
33	Charge Blinking Statistics of Semiconductor Nanocrystals Revealed by Carbon Nanotube Single Charge Sensors. *Nano Letters*, **2015**, 15, 6349-56	11.5	10
32	Temperature dependence of Raman shifts in layered ReSe2 and SnSe2 semiconductor nanosheets. *Applied Physics Letters*, **2015**, 107, 013105	3.4	82
31	The hybrid graphene multilayer system (graphene/SiN/graphene) coupled with titanium alloy (Ti6Al4V) □tructural, mechanical and corrosion characterisation. *Thin Solid Films*, **2015**, 596, 101-110	2.2	6
30	Comparison of mechanical and corrosion properties of graphene monolayer on Ti□lV and nanometric Nb2O5 layer on Ti□lV alloy for dental implants applications. *Thin Solid Films*, **2015**, 589, 356-363	2.2	23
29	Temperature-dependent thermal properties of single-walled carbon nanotube thin films. *Applied Physics Letters*, **2015**, 106, 183108	3.4	24
28	Microwave complex conductivity of the YBCO thin films as a function of static external magnetic field. *Applied Physics Letters*, **2014**, 104, 102603	3.4	7

27	Production of graphene composite by direct graphite exfoliation with chitosan. *Materials Chemistry and Physics*, **2014**, 148, 507-511	4.4	27
26	Limitations of blackbody behavior of vertically aligned multi-walled carbon nanotubes arrays. *Materials Letters*, **2014**, 137, 85-87	3.3	6
25	Temperature-dependent nonlinear phonon shifts in a supported MoS2 monolayer. *ACS Applied Materials & Interfaces*, **2014**, 6, 8959-63	9.5	71
24	Temperature-dependent nonlinear phonon behavior in high-density carbon nanotube thin films. *Applied Physics Letters*, **2014**, 105, 213105	3.4	13
23	168 fs pulse generation from graphene-chitosan mode-locked fiber laser. *Optical Materials Express*, **2014**, 4, 1981	2.6	25
22	Complex Conductivity of YBCO Films in Normal and Superconducting States Probed by Microwave Measurements. *IEEE Transactions on Applied Superconductivity*, **2013**, 23, 1501011-1501011	1.8	11
21	Polarization-dependent optical reflection from vertically aligned multiwalled carbon nanotube arrays. *Carbon*, **2013**, 64, 550-552	10.4	11
20	Graphene oxide vs. reduced graphene oxide as saturable absorbers for Er-doped passively mode-locked fiber laser. *Optics Express*, **2012**, 20, 19463-73	3.3	353
19	Linearly polarized, Q-switched Er-doped fiber laser based on reduced graphene oxide saturable absorber. *Applied Physics Letters*, **2012**, 101, 241106	3.4	59
18	Laser induced temperature effects in multi-walled carbon nanotubes probed by Raman spectroscopy. *Physica Status Solidi (A) Applications and Materials Science*, **2012**, 209, 313-316	1.6	13
17	Laser heating control with polarized light in isolated multiwalled carbon nanotubes. *Physical Review Letters*, **2012**, 108, 225501	7.4	7
16	Novel Approach for Energy Spectrum Probing in Semiconducting Quantum Dots. *Acta Physica Polonica A*, **2012**, 122, 321-323	0.6	
15	Nonlinear damping in mechanical resonators made from carbon nanotubes and graphene. *Nature Nanotechnology*, **2011**, 6, 339-42	28.7	458
14	Characterization of ion/electron beam induced deposition of electrical contacts at the sub-□n scale. *Microelectronic Engineering*, **2011**, 88, 1569-1572	2.5	12
13	High-frequency nanotube mechanical resonators. *Applied Physics Letters*, **2011**, 99, 213502	3.4	43
12	Electrostatic Force Microscopy and Kelvin Force Microscopy as a Probe of the Electrostatic and Electronic Properties of Carbon Nanotubes. *Nanoscience and Technology*, **2010**, 89-128	0.6	19
11	Electron counting spectroscopy of CdSe quantum dots. *Physical Review Letters*, **2009**, 102, 226804	7.4	13
10	Charging and discharging of graphene in ambient conditions studied with scanning probe microscopy. *Applied Physics Letters*, **2009**, 94, 233105	3.4	52

9	Light polarized resonant Raman spectra from individual single- and double-wall carbon nanotubes. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2009**, 6, 2056-2059		1
8	Inner-shell charging of multiwalled carbon nanotubes. *Physical Review B*, **2008**, 77,	3.3	16
7	Electric charge enhancements in carbon nanotubes: Theory and experiments. *Physical Review B*, **2008**, 78,	3.3	25
6	Fundamental studies in nanosciences at the Institute of Electronics, Microelectronics, and Nanotechnology (IEMN). *International Journal of Nanotechnology*, **2008**, 5, 631	1.5	
5	Charging and discharging processes of carbon nanotubes probed by electrostatic force microscopy. *Journal of Applied Physics*, **2006**, 100, 114326	2.5	47
4	Comment on "electrostatics of individual single-walled carbon nanotubes investigated by electrostatic force microscopy". *Physical Review Letters*, **2006**, 96, 039703; discussion 039704	7.4	9
3	Charging and emission effects of multiwalled carbon nanotubes probed by electric force microscopy. *Applied Physics Letters*, **2005**, 86, 213114	3.4	27
2	Magnetotransport studies of Ga(Mn,Fe)N bulk crystals. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2004**, 1, 198-201		2
1	Suspended graphene on germanium: Selective local etching via laser-induced photocorrosion of germanium. *2D Materials*,	5.9	2