# Tymoteusz Ciuk

## List of Publications by Year in descending order



| | | | |
|---|---|---|---|
| 41 papers | 1,029 citations | 516215 16 h-index | 414034 32 g-index |
| 41 all docs | 41 docs citations | 41 times ranked | 1673 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Enhancement of graphene-related and substrate-related Raman modes through dielectric layer deposition. Applied Physics Letters, 2022, 120, . | 1.5 | 9 |
| 2 | Contamination-induced inhomogeneity of noise sources distribution in Al2O3-passivated quasi-free-standing graphene on 4H-SiC(0001). Physica E: Low-Dimensional Systems and Nanostructures, 2022, 142, 115264. | 1.3 | 5 |
| 3 | Graphene on SiC as a promising platform for magnetic field detection under neutron irradiation. Applied Surface Science, 2022, 590, 152992. | 3.1 | 13 |
| 4 | The Comparison of InSb-Based Thin Films and Graphene on SiC for Magnetic Diagnostics under Extreme Conditions. Sensors, 2022, 22, 5258. | 2.1 | 4 |
| 5 | The impact of partial H intercalation on the quasi-free-standing properties of graphene on SiC(0001). Applied Surface Science, 2021, 541, 148668. | 3.1 | 10 |
| 6 | Direct graphene growth on GaN and Au materials using the PECVD method. AIP Conference Proceedings, 2021, , . | 0.3 | 1 |
| 7 | Effect of oxidation temperature on the inhomogeneity of chemical composition and density in nanometric SiO‹sub›2‹/sub› films grown on 4H-SiC. Journal of Materials Chemistry C, 2021, 9, 4393-4404. | 2.7 | 7 |
| 8 | Highly-doped p-type few-layer graphene on UID off-axis homoepitaxial 4Hâ€“SiC. Current Applied Physics, 2021, 27, 17-24. | 1.1 | 5 |
| 9 | Determining the number of graphene layers based on Raman response of the SiC substrate. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 134, 114853. | 1.3 | 6 |
| 10 | Magnetophonon resonance on the phonon frequency difference in quasi-free-standing graphene. Physical Review B, 2021, 103, . | 1.1 | 0 |
| 11 | Enhanced Raman spectra of hydrogen-intercalated quasi-free-standing monolayer graphene on 4H-SiC(0001). Physica E: Low-Dimensional Systems and Nanostructures, 2020, 117, 113746. | 1.3 | 5 |
| 12 | Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001. | 2.0 | 333 |
| 13 | High-Temperature Hall Effect Sensor Based on Epitaxial Graphene on High-Purity Semiinsulating 4H-SiC. IEEE Transactions on Electron Devices, 2019, 66, 3134-3138. | 1.6 | 22 |
| 14 | Quasi-Free-Standing Bilayer Graphene Hall-Effect Sensor. IEEE Transactions on Magnetics, 2019, 55, 1-4. | 1.2 | 5 |
| 15 | Demystifying the Nonlinear-Optical Physics of Graphene. , 2019, , . | | 0 |
| 16 | Homoepitaksja wÄ™glika krzemu dla przyrzÄ…dÃ³w mocy w Sieci Badawczej Åukasiewicz - ITME. Przeglad Elektrotechniczny, 2019, 1, 156-158. | 0.1 | 0 |
| 17 | Localized optical-quality doping of graphene on silicon waveguides through a TFSA-containing polymer matrix. Journal of Materials Chemistry C, 2018, 6, 10739-10750. | 2.7 | 2 |
| 18 | Thermally activated double-carrier transport in epitaxial graphene on vanadium-compensated 6H-SiC as revealed by Hall effect measurements. Carbon, 2018, 139, 776-781. | 5.4 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Grapheneâ€™s nonlinear-optical physics revealed through exponentially growing self-phase modulation. Nature Communications, 2018, 9, 2675. | 5.8 | 67 |
| 20 | Extra-ordinary nonlinear-optical behavior in silica-core waveguides covered with graphene. , 2018, , . | | 0 |
| 21 | Fabrication and applications of multi-layer graphene stack on transparent polymer. Applied Physics Letters, 2017, 110, . | 1.5 | 46 |
| 22 | A W-band MMIC Resistive Mixer Based on Epitaxial Graphene FET. IEEE Microwave and Wireless Components Letters, 2017, 27, 168-170. | 2.0 | 33 |
| 23 | Functional Properties of Monolayer and Bilayer Graphene Hall-Effect Sensors. Acta Physica Polonica A, 2017, 131, 1250-1254. | 0.2 | 2 |
| 24 | Patterning of graphene on silicon-on-insulator waveguides through laser ablation and plasma etching. , 2016, , . | | 0 |
| 25 | Low-noise epitaxial graphene on SiC Hall effect element for commercial applications. Applied Physics Letters, 2016, 108, . | 1.5 | 21 |
| 26 | Negative Kerr Nonlinearity of Graphene as seen via Chirped-Pulse-Pumped Self-Phase Modulation. Physical Review Applied, 2016, 6, . | 1.5 | 68 |
| 27 | Optical-quality controllable wet-chemical doping of graphene through a uniform, transparent and low-roughness F4-TCNQ/MEK layer. RSC Advances, 2016, 6, 104491-104501. | 1.7 | 10 |
| 28 | Graphene FET Gigabit ONâ€“OFF Keying Demodulator at 96 GHz. IEEE Electron Device Letters, 2016, 37, 333-336. | 2.2 | 29 |
| 29 | Charge carrier concentration and offset voltage in quasi-free-standing monolayer chemical vapor deposition graphene on SiC. Carbon, 2016, 101, 431-438. | 5.4 | 28 |
| 30 | Laser ablation- and plasma etching-based patterning of graphene on silicon-on-insulator waveguides. Optics Express, 2015, 23, 26639. | 1.7 | 23 |
| 31 | Statistics of epitaxial graphene for Hall effect sensors. Carbon, 2015, 93, 1042-1049. | 5.4 | 34 |
| 32 | Temperature Dependence of Functional Properties of Graphene Hall-Effect Sensors Grown on Si Face and C Face of 4H-SiC Substrate. Advances in Intelligent Systems and Computing, 2015, , 111-120. | 0.5 | 1 |
| 33 | Influence of Protective Layer on the Functional Properties of Monolayer and Bilayer Graphene Hall-Effect Sensors. Advances in Intelligent Systems and Computing, 2015, , 101-109. | 0.5 | 1 |
| 34 | Measuring of Electric Parameters of Graphene in Presence of Temperature Gradient. Acta Physica Polonica A, 2015, 128, 166-169. | 0.2 | 0 |
| 35 | Graphene Based Flow Sensors. Acta Physica Polonica A, 2014, 126, 1209-1212. | 0.2 | 1 |
| 36 | Step-edge-induced resistance anisotropy in quasi-free-standing bilayer chemical vapor deposition graphene on SiC. Journal of Applied Physics, 2014, 116, . | 1.1 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Microwave complex conductivity of the YBCO thin films as a function of static external magnetic field. Applied Physics Letters, 2014, 104, . | 1.5 | 8 |
| 38 | Growing graphene on polycrystalline copper foils by ultra-high vacuum chemical vapor deposition. Carbon, 2014, 78, 347-355. | 5.4 | 41 |
| 39 | Sensitivity and Offset Voltage Testing in the Hall-Effect Sensors Made of Graphene. Advances in Intelligent Systems and Computing, 2014, , 631-640. | 0.5 | 62 |
| 40 | Complex Conductivity of YBCO Films in Normal and Superconducting States Probed by Microwave Measurements. IEEE Transactions on Applied Superconductivity, 2013, 23, 1501011-1501011. | 1.1 | 12 |
| 41 | Properties of Chemical Vapor Deposition Graphene Transferred by High-Speed Electrochemical Delamination. Journal of Physical Chemistry C, 2013, 117, 20833-20837. | 1.5 | 72 |