# Mateusz Tokarczyk

List of Publications by Year
in descending order

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| 41 | 368 | 840776 11 | 888059 17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 41 | 41 | 41 | 692 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | High temperature oxidation of ironâ€“iron oxide coreâ€“shell nanowires composed of iron nanoparticles. Physical Chemistry Chemical Physics, 2016, 18, 3900-3909. | 2.8 | 42 |
| 2 | Hybrid electrode composed of multiwall carbon nanotubes decorated with magnetite nanoparticles for aqueous supercapacitors. Journal of Energy Storage, 2019, 26, 101020. | 8.1 | 26 |
| 3 | Structural investigations of hydrogenated epitaxial graphene grown on 4H-SiC (0001). Applied Physics Letters, 2013, 103, 241915. | 3.3 | 25 |
| 4 | New X-ray insight into oxygen intercalation in epitaxial graphene grown on 4H-SiC(0001). Journal of Applied Physics, 2015, 117, . | 2.5 | 24 |
| 5 | Epitaxial Growth on 4H-SiC on-Axis, 0.5Â°, 1.25Â°, 2Â°, 4Â°, 8Â° Off-Axis Substrates â€“ Defects Analysis and Reduction. Materials Science Forum, 0, 679-680, 95-98. | 0.3 | 20 |
| 6 | Two stage epitaxial growth of wafer-size multilayer h-BN by metal-organic vapor phase epitaxy â€“ a homoepitaxial approach. 2D Materials, 2021, 8, 015017. | 4.4 | 20 |
| 7 | Fe dopant in ZnO: 2+ versus 3+ valency and ion-carrier <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>s</mml:mi><mml:mo>,</mml:mo><mml:mi>p</mml:mi><mml:m exchange interaction. Physical Review B, 2016, 94, . | 3.2 | 18 |
| 8 | Impact of thermal oxidation on chemical composition and magnetic properties of iron nanoparticles. Journal of Magnetism and Magnetic Materials, 2018, 458, 346-354. | 2.3 | 17 |
| 9 | High temperature annealing of iron nanowires. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 862-866. | 1.8 | 15 |
| 10 | MBE growth and characterization of a IIâ€“VI distributed Bragg reflector and microcavity lattice-matched to MgTe. Journal of Crystal Growth, 2013, 378, 266-269. | 1.5 | 14 |
| 11 | Structural and Electronic Properties of Graphene Oxide and Reduced Graphene Oxide Papers Prepared by High Pressure and High Temperature Treatment. Acta Physica Polonica A, 2014, 126, 1190-1194. | 0.5 | 14 |
| 12 | Heteroepitaxial Growth of High Optical Quality, Wafer-Scale van der Waals Heterostrucutres. ACS Applied Materials & Interfaces, 2021, 13, 47904-47911. | 8.0 | 14 |
| 13 | Magnetic-field-induced synthesis of amorphous iron-nickel wire-like nanostructures. Materials Chemistry and Physics, 2020, 246, 122812. | 4.0 | 11 |
| 14 | Systemic consequences of disorder in magnetically self-organized topological MnBi<sub>2</sub>Te<sub>4</sub>/(Bi<sub>2</sub>Te<sub>3</sub>) <sub>n</sub> superlattices. 2D Materials, 2022, 9, 015026. | 4.4 | 11 |
| 15 | Nanocomposite composed of multiwall carbon nanotubes covered by hematite nanoparticles as anode material for Li-ion batteries. Electrochimica Acta, 2017, 228, 82-90. | 5.2 | 8 |
| 16 | Growth of highly oriented MoS<sub>2</sub>via an intercalation process in the graphene/SiC(0001) system. Physical Chemistry Chemical Physics, 2019, 21, 20641-20646. | 2.8 | 8 |
| 17 | Molecular Beam Epitaxy of a 2D Material Nearly Lattice Matched to a 3D Substrate: NiTe<sub>2</sub> on GaAs. Crystal Growth and Design, 2021, 21, 5773-5779. | 3.0 | 8 |
| 18 | The effects of doping and coating on degradation kinetics in perovskites. Solar Energy Materials and Solar Cells, 2021, 230, 111142. | 6.2 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Surface-enhanced Raman scattering in graphene deposited on Al Ga1â^'N/GaN axial heterostructure nanowires. Applied Surface Science, 2019, 475, 559-564. | 6.1 | 7 |
| 20 | Amorphous Fe<sub>x</sub>Co<sub>1â€“x</sub> Wire-like Nanostructures Manufactured through Surfactant-Free Magnetic-Field-Induced Synthesis. Crystal Growth and Design, 2020, 20, 3208-3216. | 3.0 | 7 |
| 21 | Multilayer graphene stacks grown by different methods-thickness measurements by X-ray diffraction, Raman spectroscopy and optical transmission. Crystallography Reports, 2013, 58, 1053-1057. | 0.6 | 6 |
| 22 | Magnetic anisotropy investigations of (Ga,Mn)As with a large epitaxial strain. Journal of Magnetism and Magnetic Materials, 2015, 396, 48-52. | 2.3 | 6 |
| 23 | Towards practical applications of quantum emitters in boron nitride. Scientific Reports, 2021, 11, 15506. | 3.3 | 6 |
| 24 | Influence of Active Layer Processing on Electrical Properties and Efficiency of Polymer-Fullerene Organic Solar Cells. Acta Physica Polonica A, 2019, 136, 579-585. | 0.5 | 6 |
| 25 | CVD Growth of Graphene Stacks on 4H-SiC (0001) Surface - X-ray Diffraction and Raman Spectroscopy Study. Acta Physica Polonica A, 2013, 124, 768-771. | 0.5 | 4 |
| 26 | Thermal Treatment of Chains of Amorphous Fe<sub>1â€“x </sub>Co <sub>x</sub>  Nanoparticles Made by Magnetic-Field-Induced Coreduction Reaction. IEEE Magnetics Letters, 2019, 10, 1-5. | 1.1 | 4 |
| 27 | Delamination of Large Area Layers of Hexagonal Boron Nitride Grown by MOVPE. Acta Physica Polonica A, 2021, 139, 457-461. | 0.5 | 4 |
| 28 | Preparation and Characterization of Hematite-Multiwall Carbon Nanotubes Nanocomposite. Journal of Superconductivity and Novel Magnetism, 2015, 28, 901-904. | 1.8 | 3 |
| 29 | Hydrostatic-pressure-induced changes of magnetic anisotropy in (Ga, Mn)As thin films. Journal of Physics Condensed Matter, 2017, 29, 115805. | 1.8 | 3 |
| 30 | Hydrostatic pressure influence on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>C</mml:mi></mml:msub></mml:ma in (Ga,Mn)As. Physical Review B, 2020, 101, . | 3.2 | 3 |
| 31 | Angle-resolved optically detected magnetic resonance as a tool for strain determination in nanostructures. Physical Review B, 2022, 105, . | 3.2 | 2 |
| 32 | Impact of Thermal Oxidation on Morphological, Structural and Magnetic Properties of Fe-Ni Wire-Like Nanochains. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 3530-3540. | 2.2 | 1 |
| 33 | Evolution of Structural and Magnetic Properties of Fe-Co Wire-like Nanochains Caused by Annealing Atmosphere. Materials, 2021, 14, 4748. | 2.9 | 1 |
| 34 | Magnetic and Structural Properties of ZnO Implanted with Co, Kr, and Ar Ions. Acta Physica Polonica A, 2019, 136, 628-632. | 0.5 | 1 |
| 35 | Towards Magnetic Bimetallic Wire-Like Nanostructures â€" Magnetic Field as Growth Parameter. Acta Physica Polonica A, 2020, 137, 59-61. | 0.5 | 1 |
| 36 | Epitaxial graphene perfection vs. SiC substrate quality. Open Physics, 2011, 9, 446-453. | 1.7 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Magnetic Properties of Epitaxial Fe/(Ga,Mn)As Hybrids. Acta Physica Polonica A, 2013, 124, 873-876. | 0.5 | 0 |
| 38 | Superconductivity Study of GaN Highly Doped by Transition Metals. Acta Physica Polonica A, 2013, 124, 877-880. | 0.5 | 0 |
| 39 | TEM Studies of Fe1â^'xNix Nanowires by Magnetic-Field-Induced Synthesis. Microscopy and Microanalysis, 2019, 25, 2194-2195. | 0.4 | 0 |
| 40 | Interplay of Magnetic Anisotropies in Epitaxial Ferromagnetic Hybrids of Fe and (Ga,Mn)As. Journal of the Magnetics Society of Japan, 2014, 38, 111-114. | 0.9 | 0 |
| 41 | An Influence of X-Ray Irradiation on Mid-Bandgap Luminescence of Boron Nitride Epitaxial Layers. Acta Physica Polonica A, 2019, 136, 620-623. | 0.5 | 0 |