

# Tomasz Slupinski

## List of Publications by Year in descending order

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| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Effect of Optical Spin Injection on Ferromagnetically Coupled Mn Spins in the III-V Magnetic Alloy Semiconductor (Ga,Mn)As. <i>Physical Review Letters</i> , 2002, 88, 137202.                      | 2.9 | 157       |
| 2  | Control of magnetization reversal process by light illumination in ferromagnetic semiconductor heterostructure p-(In,As)Mn/GaSb. <i>Applied Physics Letters</i> , 2001, 78, 518-520.                | 1.5 | 97        |
| 3  | Dynamics of photoinduced magnetization rotation in ferromagnetic semiconductor p-(Ga,Mn)As. <i>Physical Review B</i> , 2004, 69, .  | 1.1 | 64        |
| 4  | Electronic structure of $\text{In}_{1-x}\text{Mn}_x\text{As}$ studied by photoemission spectroscopy: Comparison with $\text{Ga}_{1-x}\text{Mn}_x\text{As}$ . <i>Physical Review B</i> , 2002, 65, . | 1.1 | 53        |
| 5  | Ferromagnetic semiconductor (In,Ga,Mn)As with Curie temperature above 100 K. <i>Applied Physics Letters</i> , 2002, 80, 1592-1594.  | 1.5 | 53        |
| 6  | Carrier-induced ferromagnetic order in the narrow gap III-V magnetic alloy semiconductor (In,Mn)Sb. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 20, 333-337.               | 1.3 | 33        |
| 7  | Preparation of ferromagnetic (In,Mn)As with relatively low hole concentration and Curie temperature 50K. <i>Journal of Crystal Growth</i> , 2002, 237-239, 1326-1330.                               | 0.7 | 30        |
| 8  | Direct proof of two-electron occupation of Ge-DX centers in GaAs codoped with Ge and Te. <i>Physical Review Letters</i> , 1993, 71, 3529-3532.  | 2.9 | 27        |
| 9  | Ultrafast softening in InMnAs. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 20, 412-418.  | 1.3 | 22        |
| 10 | Ultrafast Optical Manipulation of Ferromagnetic Order in InMnAs/GaSb. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003, 16, 373-377.  | 0.5 | 18        |
| 11 | Ferromagnetic resonance in epitaxial $(\text{In}_{0.53}\text{Ga}_{0.47})_{1-x}\text{Mn}_x\text{As}$ : Angle- and temperature-dependent studies. <i>Physical Review B</i> , 2004, 70, .              | 1.1 | 16        |
| 12 | MBE growth and characterization of a $\text{In}_{1-x}\text{VI}$ distributed Bragg reflector and microcavity lattice-matched to MgTe. <i>Journal of Crystal Growth</i> , 2013, 378, 266-269.         | 0.7 | 14        |
| 13 | Coupled plasmon-LO-phonon modes at high-magnetic fields. <i>Physical Review B</i> , 2006, 74, .   | 1.1 | 13        |
| 14 | Thermal expansion of GaAs:Te and AlGaAs:Te at low temperatures. <i>Journal of Applied Physics</i> , 1997, 82, 4678-4680.  | 1.1 | 11        |
| 15 | Theoretical and experimental studies of cyclotron resonance in p-type InAs and InMnAs at ultrahigh magnetic fields. <i>Journal of Applied Physics</i> , 2003, 93, 6897-6899.                        | 1.1 | 11        |
| 16 | Ultra low density of CdTe quantum dots grown by MBE. <i>Journal of Crystal Growth</i> , 2013, 378, 274-277.   | 0.7 | 11        |
| 17 | MBE grown microcavities based on selenium and tellurium compounds. <i>Journal of Crystal Growth</i> , 2014, 401, 499-503.   | 0.7 | 10        |
| 18 | Photo-carrier-induced magnetism in (In,Mn)As/GaSb magnetic alloy semiconductor heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 13, 516-520.                  | 1.3 | 9         |

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|----|--|-----|-----------|
| 19 | Distributed Bragg reflectors obtained by combining Se and Te compounds: Influence on the luminescence from CdTe quantum dots. <i>Journal of Applied Physics</i> , 2016, 119, 183105.   | 1.1 | 9         |
| 20 | Interlayer coupling in (In,Mn)As/InAs/(In,Mn)As magnetic semiconductor trilayer structures. <i>Journal of Applied Physics</i> , 2002, 91, 7902.  | 1.1 | 8         |
| 21 | Title is missing!. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003, 16, 107-110.  | 0.5 | 8         |
| 22 | High-field cyclotron resonance studies of InMnAs-based ferromagnetic semiconductor heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 21, 978-982.   | 1.3 | 8         |
| 23 | Optimization of MBE Growth Conditions of In <sub>0.52</sub> Al <sub>0.48</sub> As Waveguide Layers for InGaAs/InAlAs/InP Quantum Cascade Lasers. <i>Materials</i> , 2019, 12, 1621.  | 1.3 | 8         |
| 24 | X-ray diffuse scattering characterization of microdefects in highly Te-doped annealed GaAs crystals. <i>Journal Physics D: Applied Physics</i> , 1998, 31, 1883-1887.  | 1.3 | 6         |
| 25 | Effect of light illumination on the process of magnetization reversal in carrier-induced ferromagnetic semiconductors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001, 10, 201-205.   | 1.3 | 6         |
| 26 | Terahertz dynamics of photogenerated carriers in ferromagnetic InGaMnAs. <i>Journal of Applied Physics</i> , 2003, 93, 8286-8288.  | 1.1 | 6         |
| 27 | Characterization of microdefects in GaAs crystals with high-resolution X-ray diffractometry. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1997, 19, 625-635. | 0.4 | 5         |
| 28 | Local order of Te impurity atoms and free electron concentration in heavily doped GaAs:Te. <i>Thin Solid Films</i> , 2000, 367, 227-231.   | 0.8 | 5         |
| 29 | Title is missing!. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003, 16, 449-452.  | 0.5 | 5         |
| 30 | MBE Growth of CdTe/ZnTe Quantum Dots with Single Mn Ions. <i>Acta Physica Polonica A</i> , 2012, 122, 1056-1058.   | 0.2 | 5         |
| 31 | Radiative recombination and other processes related to excess charge carriers, decisive for efficient performance of electronic devices. <i>Lithuanian Journal of Physics</i> , 2018, 58, .  | 0.1 | 5         |
| 32 | Inelastic light scattering on coupled plasmon-LO phonon modes in high magnetic fields. <i>Physica B: Condensed Matter</i> , 2001, 298, 216-220.  | 1.3 | 4         |
| 33 | Free Carrier Scattering in Metallic n-GaAs in the Presence of Static Lattice Distortions Due to a Partial Chemical Order of Impurities. <i>Acta Physica Polonica A</i> , 2009, 116, 979-982.   | 0.2 | 4         |
| 34 | Direct Evidence for Two-Electron Occupation of Ge-DX Centers in GaAs. <i>Materials Science Forum</i> , 1993, 143-147, 1019-1024.   | 0.3 | 3         |
| 35 | Title is missing!. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003, 16, 439-442.  | 0.5 | 3         |
| 36 | Hole Transport in Impurity Band and Valence Bands Studied in Moderately Doped GaAs:Mn Single Crystals. <i>Acta Physica Polonica A</i> , 2007, 112, 325-330.  | 0.2 | 3         |

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|----|--|-----|-----------|
| 37 | Te Shallow Donor Solubility Mechanism in GaAs. Acta Physica Polonica A, 1996, 90, 1080-1084.   | 0.2 | 3         |
| 38 | Optically detected magnetic resonance of indirect excitons in an ensemble of (In,Al,Ga)As/(Al,Ga)As quantum dots. Physical Review B, 2021, 104, .  | 1.1 | 3         |
| 39 | Coexistence of DX and $A_{1/2}$ States in Highly Doped GaAs:Ge, Te and GaAs:Si, Te. Physica Status Solidi (B): Basic Research, 1996, 198, 181-186.   | 0.7 | 2         |
| 40 | Preparation of ferromagnetic quaternary (In,Ga,Mn)As. Journal of Crystal Growth, 2002, 237-239, 1331-1333.   | 0.7 | 2         |
| 41 | Alloying (In,Mn)As and (Ga,Mn)As: Ferromagnetic (In,Ga,Mn)As Lattice-Matched to InP. Journal of Superconductivity and Novel Magnetism, 2003, 16, 45-49.  | 0.5 | 2         |
| 42 | Studies of Magnetoresistance in GaAs:Te Crystals with Structural Disorder at Doping Limit. Acta Physica Polonica A, 2011, 119, 726-728.  | 0.2 | 2         |
| 43 | Stabilization of the Distorted Configuration of the EL2 Defect Induced by the Free Electron Capture in GaAsP. Acta Physica Polonica A, 1995, 88, 881-884.  | 0.2 | 2         |
| 44 | DLTS Investigations of the Distorted Configuration of the EL2 Defect Stabilized under High Hydrostatic Pressure in GaAs $_{1-x}$ P $_x$ . Physica Status Solidi (B): Basic Research, 1996, 198, 193-198. | 0.7 | 1         |
| 45 | Rotation of Ferromagnetically Coupled Mn Spins in (Ga,Mn)As by Hole Spins. Journal of Superconductivity and Novel Magnetism, 2003, 16, 411-414.  | 0.5 | 1         |
| 46 | Donor-deactivating defects above the equilibrium doping limit in GaAs:Te,Ge and GaAs:Te studied by annealing and Hall effect under pressure. Journal of Crystal Growth, 2017, 468, 433-438.              | 0.7 | 1         |
| 47 | Local Structure Around Te in Heavily Doped GaAs:Te using X-Ray Absorption Fine Structure. Acta Physica Polonica A, 2012, 121, 879-882.   | 0.2 | 1         |
| 48 | MBE Growth and Characterization of a III-V Distributed Bragg Reflectors and InAs Quantum Dots. Acta Physica Polonica A, 2012, 122, 984-987.  | 0.2 | 1         |
| 49 | Efficient Emission from InAlGaAs Single Quantum Dots with Low Lattice Misfit and AlGaAs Indirect Bandgap Barrier. Acta Physica Polonica A, 2016, 130, 1229-1232.   | 0.2 | 1         |
| 50 | Large negative persistent photoconductivity of bulk GaAs $_{1-x}$ P $_x$ () single crystals. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1993, 21, 325-328.      | 1.7 | 0         |
| 51 | Scanning Tunneling Microscopy Studies of GaAs $_{1-x}$ P $_x$ Single Crystals. Materials Research Society Symposia Proceedings, 1995, 378, 83.   | 0.1 | 0         |
| 52 | Ultrafast optical manipulation of ferromagnetic order in InMnAs/GaSb. , 0, , .   |     | 0         |
| 53 | Magnetization Reversal Process of Submicrometer-Scale Hall Bars of Ferromagnetic Semiconductor-p-In $_{0.97}$ Mn $_{0.03}$ As. Japanese Journal of Applied Physics, 2004, 43, 2097-2100.                 | 0.8 | 0         |
| 54 | High-resolution X-ray diffraction study of C $\beta$ -grown GaAsP crystals. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 2578-2584.  | 0.8 | 0         |

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|----|---|-----|-----------|
| 55 | PARALLEL TRANSPORT PROPERTIES OF $p\text{-In}_{1-x}\text{Mn}_x\text{As} / n\text{-InAs}$ JUNCTION. , 2003, , .  |     | 0         |
| 56 | MAGNETIZATION REVERSAL BY OPTICAL SPIN INJECTION AND ITS MEMORIZATION EFFECT IN (Ga, Mn) As THIN FILMS. , 2003, , .   |     | 0         |
| 57 | Hydrostatic-Pressure Deep Level Transient Spectroscopy Study of the Heteroantisite Antimony Level in GaAs. Acta Physica Polonica A, 1992, 82, 841-844.            | 0.2 | 0         |
| 58 | Highly Compensated GaAs Crystal Obtained by Molecular CO Doping. Acta Physica Polonica A, 1993, 84, 669-672.  | 0.2 | 0         |
| 59 | Deep Level Transient Spectroscopy Measurements of an Acceptor-like State of Metastable EL2 in GaAs and GaAsP. Acta Physica Polonica A, 1993, 84, 673-676.         | 0.2 | 0         |
| 60 | On the Pinning of the Fermi Level by Germanium $A_{1-x}O_x$ Deep Donor State in GaAs Codoped with Ge and Te. Acta Physica Polonica A, 1993, 84, 807-811.          | 0.2 | 0         |
| 61 | On Correlations between Extended Defects Formation and Electron Concentration Changes Caused by Annealing of GaAs:Te. Acta Physica Polonica A, 1996, 90, 739-742. | 0.2 | 0         |
| 62 | First X-Ray Evidence of Heterogeneous Impurity Correlations in Very Highly Doped n-GaAs. Acta Physica Polonica A, 1997, 92, 971-975.                              | 0.2 | 0         |