

Hui Zhao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140
papers

6,468
citations

41
h-index

78
g-index

153
ext. papers

7,429
ext. citations

6.5
avg, IF

6.03
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 140 | A Ferrotoroidic Candidate with Well-separated Spin Chains.. <i>Advanced Materials</i> , 2022 , e2106728 | 24 | 0 |
| 139 | Tracking photocarrier-enhanced electron-phonon coupling in nonequilibrium. <i>Npj Quantum Materials</i> , 2022 , 7, | 5 | 1 |
| 138 | Ultrafast charge transfer and carrier dynamics in a WS ₂ /MoSe ₂ few-layer van der Waals heterostructure. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 5328-5335 | 7.1 | 0 |
| 137 | Theoretical Insights into Ultrafast Dynamics in Quantum Materials. <i>Ultrafast Science</i> , 2022 , 2022, 1-16 | | 3 |
| 136 | Ultrafast Interlayer Charge Transfer between Bilayer PtSe and Monolayer WS. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 57822-57830 | 9.5 | 3 |
| 135 | Charge Transfer Properties of Heterostructures Formed by Bi O Se and Transition Metal Dichalcogenide Monolayers. <i>Small</i> , 2021 , e2106078 | 11 | 2 |
| 134 | Time-Resolved Observation of Hole Tunneling in van der Waals Multilayer Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 12425-12431 | 9.5 | 3 |
| 133 | All-optical control of charge transfer and interlayer excitons in transition metal dichalcogenide heterostructures. <i>Physical Review B</i> , 2021 , 103, | 3.3 | 1 |
| 132 | Photoluminescence enhancement at a high generation rate induced by exciton localization. <i>Optics Letters</i> , 2021 , 46, 2774-2777 | 3 | 1 |
| 131 | Ultrafast hole transfer from monolayer ReS ₂ to thin-film F8ZnPc. <i>Applied Physics Letters</i> , 2021 , 118, 153104 | 3.4 | 2 |
| 130 | Efficient interlayer electron transfer in a MoTe ₂ /WS ₂ /MoS ₂ trilayer heterostructure. <i>Applied Physics Letters</i> , 2021 , 118, 253106 | 3.4 | 1 |
| 129 | Thickness-Dependent Interlayer Charge Transfer in MoSe/MoS Heterostructures Studied by Femtosecond Transient Absorption Measurements. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 6489-6495 | 9.5 | 3 |
| 128 | Photocarrier Dynamics in MoTe Nanofilms with 2 and Distorted 1 Lattice Structures. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44703-44710 | 9.5 | 1 |
| 127 | Excitonic Dynamics in Janus MoSSe and WSSe Monolayers. <i>Nano Letters</i> , 2021 , 21, 931-937 | 11.5 | 16 |
| 126 | Spatiotemporally Resolved Optical Measurements on Photocarrier Dynamics in Copper Monosulfide. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 14459-14464 | 3.8 | 1 |
| 125 | Dynamics of charge-transfer excitons in a transition metal dichalcogenide heterostructure. <i>Nanoscale</i> , 2020 , 12, 8485-8492 | 7.7 | 2 |
| 124 | Transient absorption of transition metal dichalcogenide monolayers studied by a photodope-pump-probe technique. <i>Physical Review B</i> , 2020 , 102, | 3.3 | 6 |

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| 123 | Toward attosecond control of electron dynamics in two-dimensional materials. <i>Applied Physics Letters</i> , 2020 , 116, 043101 | 3.4 | 10 |
| 122 | Transient Absorption Microscopy of Layered Crystal AsSbS. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 1047-1052 | 2.8 | 6 |
| 121 | Optical Properties and Photocarrier Dynamics of Bi2O2Se Monolayer and Nanoplates. <i>Advanced Optical Materials</i> , 2020 , 8, 1901567 | 8.1 | 10 |
| 120 | Type-II WS2ReSe2 heterostructure and its charge-transfer properties. <i>Journal of Materials Research</i> , 2020 , 35, 1417-1423 | 2.5 | 1 |
| 119 | Photocarrier Dynamics in TlGaS2 Nanoflakes and van der Waals Heterostructures with Hexagonal Boron Nitride and WS2 Nanoflakes: Implications for Optoelectronic Applications. <i>ACS Applied Nano Materials</i> , 2020 , 3, 8702-8707 | 5.6 | 1 |
| 118 | Ultrafast Optical Modulation of Harmonic Generation in Two-Dimensional Materials. <i>Nano Letters</i> , 2020 , 20, 8053-8058 | 11.5 | 14 |
| 117 | Controlling exciton transport in monolayer MoSe2 by dielectric screening. <i>Nanoscale Horizons</i> , 2020 , 5, 139-143 | 10.8 | 15 |
| 116 | Efficient hole transfer from monolayer WS to ultrathin amorphous black phosphorus. <i>Nanoscale Horizons</i> , 2019 , 4, 236-242 | 10.8 | 19 |
| 115 | Isotope-Engineering the Thermal Conductivity of Two-Dimensional MoS. <i>ACS Nano</i> , 2019 , 13, 2481-2489 | 16.7 | 32 |
| 114 | Effect of the Interfacial Energy Landscape on Photoinduced Charge Generation at the ZnPc/MoS Interface. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11328-11336 | 16.4 | 36 |
| 113 | Interlayer charge transfer in ReS2/WS2 van der Waals heterostructures. <i>Physical Review B</i> , 2019 , 99, | 3.3 | 10 |
| 112 | Upconversion photoluminescence by charge transfer in a van der Waals trilayer. <i>Applied Physics Letters</i> , 2019 , 115, 173102 | 3.4 | 2 |
| 111 | Effect of Dielectric Environment on Excitonic Dynamics in Monolayer WS2. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1901307 | 4.6 | 17 |
| 110 | Ultrafast charge transfer in a type-II MoS-ReSe van der Waals heterostructure. <i>Optics Express</i> , 2019 , 27, 17851-17858 | 3.3 | 11 |
| 109 | Nonlinear optical effect of interlayer charge transfer in a van der Waals heterostructure. <i>Applied Physics Letters</i> , 2019 , 115, 263103 | 3.4 | 10 |
| 108 | Observation of charge transfer in mixed-dimensional heterostructures formed by transition metal dichalcogenide monolayers and PbS quantum dots. <i>Physical Review B</i> , 2019 , 100, | 3.3 | 4 |
| 107 | Temporally Resolving Synchronous Degenerate and Nondegenerate Two-Photon Absorption in 2D Semiconducting Monolayers. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1800225 | 8.3 | 13 |
| 106 | Understanding Spatiotemporal Photocarrier Dynamics in Monolayer and Bulk MoTe2 for Optimized Optoelectronic Devices. <i>ACS Applied Nano Materials</i> , 2019 , 2, 459-464 | 5.6 | 7 |

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|-----|--|------|----|
| 105 | Probing excitons in transition metal dichalcogenides by Drude-like exciton intraband absorption. <i>Nanoscale</i> , 2018 , 10, 9538-9546 | 7.7 | 16 |
| 104 | Ultrafast transient absorption measurements of photocarrier dynamics in monolayer and bulk ReSe. <i>Optics Express</i> , 2018 , 26, 21501-21509 | 3.3 | 10 |
| 103 | Photocarrier Transfer across Monolayer MoS-MoSe Lateral Heterojunctions. <i>ACS Nano</i> , 2018 , 12, 7086-7092 | 10.2 | 14 |
| 102 | Layer-Coupled States Facilitate Ultrafast Charge Transfer in a Transition Metal Dichalcogenide Trilayer Heterostructure. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 5970-5978 | 6.4 | 8 |
| 101 | Efficient Energy Transfer in InSe-MoSe van der Waals Heterostructures. <i>ACS Omega</i> , 2018 , 3, 11930-11936 | 3.9 | 14 |
| 100 | Unipolar optical doping and extended photocarrier lifetime in graphene by band-alignment engineering. <i>Nano Futures</i> , 2018 , 2, 035003 | 3.6 | 7 |
| 99 | Photocarrier dynamics in monolayer phosphorene and bulk black phosphorus. <i>Nanoscale</i> , 2018 , 10, 11307-11313 | 7.1 | 11 |
| 98 | A type-I van der Waals heterobilayer of WSe/MoTe. <i>Nanotechnology</i> , 2018 , 29, 335203 | 3.4 | 20 |
| 97 | Highly Efficient and Anomalous Charge Transfer in van der Waals Trilayer Semiconductors. <i>Nano Letters</i> , 2017 , 17, 1623-1628 | 11.5 | 59 |
| 96 | Nonlinear Optical Experiments on Graphene 2017 , 221-240 | | 1 |
| 95 | Transition Metal Dichalcogenides: Suppression of Defects and Deep Levels Using Isoelectronic Tungsten Substitution in Monolayer MoSe ₂ (Adv. Funct. Mater. 19/2017). <i>Advanced Functional Materials</i> , 2017 , 27, | 15.6 | 2 |
| 94 | Amorphous two-dimensional black phosphorus with exceptional photocarrier transport properties. <i>2D Materials</i> , 2017 , 4, 025063 | 5.9 | 16 |
| 93 | Ultrafast Laser Spectroscopy of Two-Dimensional Materials Beyond Graphene. <i>Advanced Functional Materials</i> , 2017 , 27, 1604509 | 15.6 | 97 |
| 92 | Ultrafast charge transfer between MoTe ₂ and MoS ₂ monolayers. <i>2D Materials</i> , 2017 , 4, 015033 | 5.9 | 32 |
| 91 | Ultrafast Interlayer Electron Transfer in Incommensurate Transition Metal Dichalcogenide Homobilayers. <i>Nano Letters</i> , 2017 , 17, 6661-6666 | 11.5 | 35 |
| 90 | Charge Transfer Exciton and Spin Flipping at Organic-Transition-Metal Dichalcogenide Interfaces. <i>ACS Nano</i> , 2017 , 11, 10184-10192 | 16.7 | 68 |
| 89 | Strong and anisotropic third-harmonic generation in monolayer and multilayer ReS ₂ . <i>Physical Review B</i> , 2017 , 95, | 3.3 | 47 |
| 88 | Electron dynamics in MoS-graphite heterostructures. <i>Nanoscale</i> , 2017 , 9, 14533-14539 | 7.7 | 6 |

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| 87 | Effects of rhenium dopants on photocarrier dynamics and optical properties of monolayer, few-layer, and bulk MoS. <i>Nanoscale</i> , 2017 , 9, 19360-19366 | 7.7 | 11 |
| 86 | Suppression of Defects and Deep Levels Using Isoelectronic Tungsten Substitution in Monolayer MoSe ₂ . <i>Advanced Functional Materials</i> , 2017 , 27, 1603850 | 15.6 | 62 |
| 85 | Type-I van der Waals heterostructure formed by MoS and ReS monolayers. <i>Nanoscale Horizons</i> , 2017 , 2, 31-36 | 10.8 | 118 |
| 84 | Electrically induced charge-density waves in a two-dimensional electron liquid: Effects of negative electronic compressibility. <i>Physical Review B</i> , 2017 , 96, | 3.3 | 1 |
| 83 | Probing effect of electric field on photocarrier transfer in graphene-WS ₂ van der Waals heterostructures. <i>Optics Express</i> , 2017 , 25, 1949-1957 | 3.3 | 19 |
| 82 | Separating electrons and holes by monolayer increments in van der Waals heterostructures. <i>Physical Review Materials</i> , 2017 , 1, | 3.2 | 37 |
| 81 | Feature issue introduction: two-dimensional materials for photonics and optoelectronics. <i>Optical Materials Express</i> , 2016 , 6, 2458 | 2.6 | 1 |
| 80 | Interlayer Coupling in Twisted WSe ₂ /WS ₂ Bilayer Heterostructures Revealed by Optical Spectroscopy. <i>ACS Nano</i> , 2016 , 10, 6612-22 | 16.7 | 181 |
| 79 | Time-Resolved Measurements of Photocarrier Dynamics in TiS ₃ Nanoribbons. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 18334-8 | 9.5 | 24 |
| 78 | 2D materials advances: from large scale synthesis and controlled heterostructures to improved characterization techniques, defects and applications. <i>2D Materials</i> , 2016 , 3, 042001 | 5.9 | 297 |
| 77 | Exciton formation in monolayer transition metal dichalcogenides. <i>Nanoscale</i> , 2016 , 8, 11681-8 | 7.7 | 111 |
| 76 | Coherent Control of Nanoscale Ballistic Currents in Transition Metal Dichalcogenide ReS ₂ . <i>ACS Nano</i> , 2015 , 9, 3935-41 | 16.7 | 22 |
| 75 | Understanding charge transfer in carbon nanotube-fullerene bulk heterojunctions. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 7428-35 | 9.5 | 20 |
| 74 | Spatiotemporal dynamics of excitons in monolayer and bulk WS ₂ . <i>Nanoscale</i> , 2015 , 7, 9526-31 | 7.7 | 53 |
| 73 | Probing charge transfer excitons in a MoSe ₂ -WS ₂ van der Waals heterostructure. <i>Nanoscale</i> , 2015 , 7, 17523-8 | 7.7 | 70 |
| 72 | Photocarrier dynamics in transition metal dichalcogenide alloy Mo _{0.5} W _{0.5} S ₂ . <i>Optics Express</i> , 2015 , 23, 33370-7 | 3.3 | 4 |
| 71 | Transient Absorption Measurements on Anisotropic Monolayer ReS ₂ . <i>Small</i> , 2015 , 11, 5565-71 | 11 | 71 |
| 70 | Exceptional and Anisotropic Transport Properties of Photocarriers in Black Phosphorus. <i>ACS Nano</i> , 2015 , 9, 6436-42 | 16.7 | 139 |

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| 69 | Tightly Bound Trions in Transition Metal Dichalcogenide Heterostructures. <i>ACS Nano</i> , 2015 , 9, 6459-64 | 16.7 | 86 |
| 68 | Exciton diffusion in monolayer and bulk MoSe ₂ . <i>Nanoscale</i> , 2014 , 6, 4915-9 | 7.7 | 79 |
| 67 | Ultrafast charge separation and indirect exciton formation in a MoS ₂ -MoSe ₂ van der Waals heterostructure. <i>ACS Nano</i> , 2014 , 8, 12717-24 | 16.7 | 472 |
| 66 | Third-harmonic generation in ultrathin films of MoS ₂ . <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 314-8 | 9.5 | 137 |
| 65 | Valley and spin dynamics in MoSe ₂ two-dimensional crystals. <i>Nanoscale</i> , 2014 , 6, 12690-5 | 7.7 | 54 |
| 64 | Transient absorption microscopy of monolayer and bulk WSe ₂ . <i>ACS Nano</i> , 2014 , 8, 2970-6 | 16.7 | 159 |
| 63 | Tightly bound excitons in monolayer WSe ₂ . <i>Physical Review Letters</i> , 2014 , 113, 026803 | 7.4 | 762 |
| 62 | Exciton-exciton annihilation in MoSe ₂ monolayers. <i>Physical Review B</i> , 2014 , 89, | 3.3 | 246 |
| 61 | Electron transfer and coupling in graphene-tungsten disulfide van der Waals heterostructures. <i>Nature Communications</i> , 2014 , 5, 5622 | 17.4 | 170 |
| 60 | Third harmonic generation in graphene and few-layer graphite films. <i>Physical Review B</i> , 2013 , 87, | 3.3 | 202 |
| 59 | Quantum interference and control of the dynamic Franz-Keldysh effect: Generation and detection of terahertz space-charge fields. <i>Applied Physics Letters</i> , 2013 , 102, 251110 | 3.4 | 1 |
| 58 | Ionic-passivated FeS ₂ photocapacitors for energy conversion and storage. <i>Chemical Communications</i> , 2013 , 49, 9260-2 | 5.8 | 33 |
| 57 | All-optical technique to correlate defect structure and carrier transport in transferred graphene films. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 7176-80 | 9.5 | 8 |
| 56 | Second harmonic microscopy of monolayer MoS ₂ . <i>Physical Review B</i> , 2013 , 87, | 3.3 | 423 |
| 55 | Charge carrier dynamics in bulk MoS ₂ crystal studied by transient absorption microscopy. <i>Journal of Applied Physics</i> , 2013 , 113, 133702 | 2.5 | 79 |
| 54 | Optical studies of ballistic currents in semiconductors [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, A43 | 1.7 | 10 |
| 53 | Synthesis and optoelectronic properties of two-dimensional FeS ₂ nanoplates. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1174-7 | 9.5 | 68 |
| 52 | Ultrafast and spatially resolved studies of charge carriers in atomically thin molybdenum disulfide. <i>Physical Review B</i> , 2012 , 86, | 3.3 | 184 |

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|----|--|-----|----|
| 51 | Spatially resolved pump-probe study of single-layer graphene produced by chemical vapor deposition [Invited]. <i>Optical Materials Express</i> , 2012 , 2, 708 | 2.6 | 44 |
| 50 | Second-harmonic generation induced by electric currents in GaAs. <i>Physical Review Letters</i> , 2012 , 108, 077403 | 7.4 | 29 |
| 49 | Exciton diffusion in semiconducting single-walled carbon nanotubes studied by transient absorption microscopy. <i>Physical Review B</i> , 2012 , 86, | 3.3 | 27 |
| 48 | Observation of intrinsic inverse spin Hall effect. <i>Physical Review Letters</i> , 2011 , 106, 107205 | 7.4 | 38 |
| 47 | Two-probe study of hot carriers in reduced graphene oxide. <i>Journal of Applied Physics</i> , 2011 , 109, 084322.5 | 8 | |
| 46 | Spatially resolved femtosecond pump-probe study of topological insulator Bi ₂ Se ₃ . <i>Physical Review B</i> , 2011 , 83, | 3.3 | 85 |
| 45 | Observation of second-harmonic generation induced by pure spin currents. <i>Nature Physics</i> , 2010 , 6, 875-878 | 4.3 | |
| 44 | Hot carrier diffusion in graphene. <i>Physical Review B</i> , 2010 , 82, | 3.3 | 63 |
| 43 | Femtosecond pump-probe studies of reduced graphene oxide thin films. <i>Applied Physics Letters</i> , 2010 , 96, 173106 | 3.4 | 53 |
| 42 | All-optical injection and detection of ballistic charge currents in germanium. <i>Journal of Applied Physics</i> , 2010 , 108, 083111 | 2.5 | 6 |
| 41 | Injection and detection of ballistic electrical currents in silicon. <i>Applied Physics Letters</i> , 2010 , 97, 212106 | 3.4 | 7 |
| 40 | Ambipolar diffusion of photoexcited carriers in bulk GaAs. <i>Applied Physics Letters</i> , 2010 , 97, 262119 | 3.4 | 62 |
| 39 | Power dependence of pure spin current injection by quantum interference. <i>Physical Review B</i> , 2009 , 79, | 3.3 | 5 |
| 38 | Ambipolar spin diffusion and D'yakonov-Perel's spin relaxation in GaAs quantum wells. <i>Physical Review B</i> , 2009 , 79, | 3.3 | 37 |
| 37 | Optical injection and detection of ballistic pure spin currents in Ge. <i>Applied Physics Letters</i> , 2009 , 95, 092107 | 3.4 | 34 |
| 36 | Self-assembly of CuS nanoflakes into flower-like microspheres: Synthesis and characterization. <i>Journal of Physics and Chemistry of Solids</i> , 2009 , 70, 422-427 | 3.9 | 42 |
| 35 | Temperature dependence of ambipolar diffusion in silicon on insulator. <i>Applied Physics Letters</i> , 2008 , 92, 112104 | 3.4 | 27 |
| 34 | Dynamics of charge currents ballistically injected in GaAs by quantum interference. <i>Journal of Applied Physics</i> , 2008 , 103, 053510 | 2.5 | 22 |

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| 33 | All-optical generation and detection of subpicosecond ac spin-current pulses in GaAs. <i>Physical Review B</i> , 2008 , 78, | 3-3 | 11 |
| 32 | Deep Surface Trap Filling by Photoinduced Carriers and Interparticle Electron Transport Observed in TiO ₂ Nanocrystalline Film with Time-Resolved Visible and Mid-IR Transient Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 3762-3769 | 3-8 | 55 |
| 31 | The effects of pyridine derivative additives on interface processes at nanocrystalline TiO ₂ thin film in dye-sensitized solar cells. <i>Surface and Interface Analysis</i> , 2007 , 39, 809-816 | 1-5 | 44 |
| 30 | Temporally and spatially resolved ballistic pure spin transport. <i>Physical Review B</i> , 2007 , 75, | 3-3 | 21 |
| 29 | Coherence control of Hall charge and spin currents. <i>Physical Review Letters</i> , 2006 , 96, 246601 | 7-4 | 119 |
| 28 | Injection of ballistic pure spin currents in semiconductors by a single-color linearly polarized beam. <i>Physical Review B</i> , 2005 , 72, | 3-3 | 45 |
| 27 | Quasi-ballistic transport of excitons in quantum wells. <i>Journal of Luminescence</i> , 2005 , 112, 136-141 | 3-8 | 6 |
| 26 | Ultrafast breathinglike oscillation in the exciton density of ZnSe quantum wells. <i>Physical Review Letters</i> , 2005 , 94, 137402 | 7-4 | 9 |
| 25 | Spatial breathing of the exciton distribution in ZnSe quantum wells. <i>Physica Status Solidi (B): Basic Research</i> , 2004 , 241, 579-582 | 1-3 | 1 |
| 24 | Coherence length and time of excitons in ZnSe quantum wells. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004 , 1, 462-465 | | 5 |
| 23 | Direct measurement of acoustic-phonon scattering of hot quantum-well excitons. <i>Physical Review B</i> , 2004 , 69, | 3-3 | 5 |
| 22 | Hot Excitons in ZnSe Quantum Wells. <i>Springer Series in Solid-state Sciences</i> , 2004 , 19-45 | 0-4 | 1 |
| 21 | Determination of SiO ₂ colloid core size by SAXS. <i>Journal of Materials Science Letters</i> , 2003 , 22, 33-35 | | 7 |
| 20 | Non-classical excitonic transport in quantum wells. <i>Physica Status Solidi (B): Basic Research</i> , 2003 , 238, 529-532 | 1-3 | 3 |
| 19 | Solid-immersion-lens-enhanced nanophotoluminescence for spectroscopy of quantum dot systems. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2003 , 1237-1241 | | 2 |
| 18 | Energy-dependent Huang-Rhys factor of free excitons. <i>Physical Review B</i> , 2003 , 68, | 3-3 | 57 |
| 17 | Spatiotemporal dynamics of quantum-well excitons. <i>Physical Review B</i> , 2003 , 67, | 3-3 | 35 |
| 16 | Solid immersion lens-enhanced nano-photoluminescence: Principle and applications. <i>Journal of Applied Physics</i> , 2003 , 93, 6265-6272 | 2-5 | 44 |

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| 15 | Spectroscopic Evidence for the Exciton Percolation Threshold in Low-Dimensional ZnCdSe Solutions with Nano-Islands. <i>Physica Status Solidi (B): Basic Research</i> , 2002 , 229, 509-512 | 1.3 | 14 |
| 14 | Correlation in Vertically Stacked CdSe Based Quantum Islands. <i>Physica Status Solidi (B): Basic Research</i> , 2002 , 229, 519-522 | 1.3 | 15 |
| 13 | Non-Diffusive In-Plane Transport of Excitons in ZnSe Quantum Wells. <i>Physica Status Solidi (B): Basic Research</i> , 2002 , 229, 577-580 | 1.3 | 1 |
| 12 | Effect of quantum confinement on exciton-phonon interactions. <i>Physical Review B</i> , 2002 , 66, | 3.3 | 28 |
| 11 | Hot exciton transport in ZnSe quantum wells. <i>Applied Physics Letters</i> , 2002 , 80, 1391-1393 | 3.4 | 36 |
| 10 | Coherence length of excitons in a semiconductor quantum well. <i>Physical Review Letters</i> , 2002 , 89, 097401. | 4.4 | 37 |
| 9 | Energy relaxation during hot-exciton transport in quantum wells: Direct observation by spatially resolved phonon-sideband spectroscopy. <i>Applied Physics Letters</i> , 2002 , 81, 2794-2796 | 3.4 | 20 |
| 8 | Spatial Distribution of Electron Energy in Thin Film Electroluminescent Displays. <i>Physica Scripta</i> , 2001 , 63, 500-503 | 2.6 | 1 |
| 7 | The photo- and electro-luminescence properties of ZnO:Zn thin film. <i>Displays</i> , 2000 , 21, 147-149 | 3.4 | 51 |
| 6 | Influence of spatial charges on transport properties of thin film electroluminescent displays. <i>Displays</i> , 2000 , 21, 143-146 | 3.4 | 3 |
| 5 | Electron Acceleration Process in ZnS-Type Thin Film Electroluminescence Devices. <i>Chinese Physics Letters</i> , 1999 , 16, 217-219 | 1.8 | 2 |
| 4 | Transient acceleration process of electrons in ZnS-type thin film electroluminescence devices. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 2145-2151 | 1.8 | 2 |
| 3 | Influence of charged centres on transport properties of thin film electroluminescent devices. <i>Semiconductor Science and Technology</i> , 1999 , 14, 1098-1101 | 1.8 | 2 |
| 2 | Transient transport of electrons in thin film electroluminescent devices. <i>Science in China Series D: Earth Sciences</i> , 1999 , 42, 282-287 | | 2 |
| 1 | Fast Exciton Diffusion in Monolayer PtSe ₂ . <i>Laser and Photonics Reviews</i> , 2100594 | 8.3 | 0 |