

Goki Eda

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.

138
papers

38,584
citations

58
h-index

147
g-index

147
ext. papers

42,526
ext. citations

13.4
avg, IF

7.59
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 138 | Data-driven discovery of high performance layered van der Waals piezoelectric NbOI.. <i>Nature Communications</i> , 2022 , 13, 1884 | 17.4 | 2 |
| 137 | In-Plane Field-Driven Excitonic Electro-Optic Modulation in Monolayer Semiconductor. <i>Advanced Optical Materials</i> , 2022 , 10, 2102132 | 8.1 | 1 |
| 136 | Hexagonal Boron Nitride Crystal Growth from Iron, a Single Component Flux. <i>ACS Nano</i> , 2021 , 15, 7032-7039 | 10.3 | 11 |
| 135 | Impurity-Induced Emission in Re-Doped WS Monolayers. <i>Nano Letters</i> , 2021 , 21, 5293-5300 | 11.5 | 1 |
| 134 | Observation of the Out-of-Plane Polarized Spin Current from CVD Grown WTe ₂ . <i>Advanced Quantum Technologies</i> , 2021 , 4, 2100038 | 4.3 | 6 |
| 133 | Tuning photoresponse of graphene-black phosphorus heterostructure by electrostatic gating and photo-induced doping. <i>Chinese Chemical Letters</i> , 2021 , 33, 368-368 | 8.1 | 1 |
| 132 | Substitutional doping in 2D transition metal dichalcogenides. <i>Nano Research</i> , 2021 , 14, 1668-1681 | 10 | 29 |
| 131 | Room-temperature nonlinear Hall effect and wireless radiofrequency rectification in Weyl semimetal TaIrTe. <i>Nature Nanotechnology</i> , 2021 , 16, 421-425 | 28.7 | 21 |
| 130 | In-Plane Anisotropic Nonlinear Optical Properties of Two-Dimensional Organic-Inorganic Hybrid Perovskite. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 7010-7018 | 6.4 | 4 |
| 129 | Synthesis of Two-Dimensional Perovskite by Inverse Temperature Crystallization and Studies of Exciton States by Two-Photon Excitation Spectroscopy. <i>Advanced Functional Materials</i> , 2020 , 30, 2002661 | 15.6 | 9 |
| 128 | Hexagonal Boron Nitride Single Crystal Growth from Solution with a Temperature Gradient. <i>Chemistry of Materials</i> , 2020 , 32, 5066-5072 | 9.6 | 8 |
| 127 | Electro-Optic Upconversion in van der Waals Heterostructures via Nonequilibrium Photocarrier Tunneling. <i>Advanced Materials</i> , 2020 , 32, e2001543 | 24 | 7 |
| 126 | Controlling the magnetic anisotropy in Cr ₂ Ge ₂ Te ₆ by electrostatic gating. <i>Nature Electronics</i> , 2020 , 3, 460-465 | 28.4 | 46 |
| 125 | Domain Engineering in ReS ₂ by Coupling Strain during Electrochemical Exfoliation. <i>Advanced Functional Materials</i> , 2020 , 30, 2003057 | 15.6 | 8 |
| 124 | Measuring Valley Polarization in Two-Dimensional Materials with Second-Harmonic Spectroscopy. <i>ACS Photonics</i> , 2020 , 7, 925-931 | 6.3 | 8 |
| 123 | Polarized Light-Emitting Diodes Based on Anisotropic Excitons in Few-Layer ReS. <i>Advanced Materials</i> , 2020 , 32, e2001890 | 24 | 23 |
| 122 | Harnessing Exciton-Exciton Annihilation in Two-Dimensional Semiconductors. <i>Nano Letters</i> , 2020 , 20, 1647-1653 | 11.5 | 11 |

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|-----|---|------|-----|
| 121 | Disorder-driven two-dimensional quantum phase transitions in Li x MoS ₂ . <i>2D Materials</i> , 2020 , 7, 035013 | 5.9 | 3 |
| 120 | Excitonic Energy Transfer in Heterostructures of Quasi-2D Perovskite and Monolayer WS. <i>ACS Nano</i> , 2020 , 14, 11482-11489 | 16.7 | 12 |
| 119 | Electron tunneling at the molecularly thin 2D perovskite and graphene van der Waals interface. <i>Nature Communications</i> , 2020 , 11, 5483 | 17.4 | 16 |
| 118 | Optoelectronic Properties of a van der Waals WS Monolayer/2D Perovskite Vertical Heterostructure. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 45235-45242 | 9.5 | 22 |
| 117 | Growth of Nb-Doped Monolayer WS by Liquid-Phase Precursor Mixing. <i>ACS Nano</i> , 2019 , 13, 10768-10775 | 16.7 | 54 |
| 116 | Polarity Tunable Trionic Electroluminescence in Monolayer WSe. <i>Nano Letters</i> , 2019 , 19, 7470-7475 | 11.5 | 11 |
| 115 | Phase coherent transport in bilayer and trilayer MoS ₂ . <i>Physical Review B</i> , 2019 , 100, | 3.3 | 2 |
| 114 | High-Energy Gain Upconversion in Monolayer Tungsten Disulfide Photodetectors. <i>Nano Letters</i> , 2019 , 19, 5595-5603 | 11.5 | 24 |
| 113 | Controlled Aqueous Synthesis of 2D Hybrid Perovskites with Bright Room-Temperature Long-Lived Luminescence. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 2869-2873 | 6.4 | 24 |
| 112 | Nonlinear magnetotransport shaped by Fermi surface topology and convexity. <i>Nature Communications</i> , 2019 , 10, 1290 | 17.4 | 15 |
| 111 | Effects Of Structural Phase Transition On Thermoelectric Performance in Lithium-Intercalated Molybdenum Disulfide (Li MoS). <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 12184-12189 | 9.5 | 20 |
| 110 | Modulating Charge Density Wave Order in a 1T-TaS/Black Phosphorus Heterostructure. <i>Nano Letters</i> , 2019 , 19, 2840-2849 | 11.5 | 13 |
| 109 | Elastomeric Waveguide on-Chip Coupling of an Encapsulated MoS ₂ Monolayer. <i>ACS Photonics</i> , 2019 , 6, 595-599 | 6.3 | 5 |
| 108 | All-electric magnetization switching and Dzyaloshinskii-Moriya interaction in WTe/ferromagnet heterostructures. <i>Nature Nanotechnology</i> , 2019 , 14, 945-949 | 28.7 | 104 |
| 107 | Exciton Polarization and Renormalization Effect for Optical Modulation in Monolayer Semiconductors. <i>ACS Nano</i> , 2019 , 13, 9218-9226 | 16.7 | 3 |
| 106 | Synergistic additive-mediated CVD growth and chemical modification of 2D materials. <i>Chemical Society Reviews</i> , 2019 , 48, 4639-4654 | 58.5 | 66 |
| 105 | Highly Stable Two-Dimensional Tin(II) Iodide Hybrid Organic-Inorganic Perovskite Based on Stilbene Derivative. <i>Advanced Functional Materials</i> , 2019 , 29, 1904810 | 15.6 | 36 |
| 104 | Sub-Picosecond Carrier Dynamics Induced by Efficient Charge Transfer in MoTe/WTe van der Waals Heterostructures. <i>ACS Nano</i> , 2019 , 13, 9587-9594 | 16.7 | 15 |

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|-----|---|------|-----|
| 103 | Giant gate-tunable bandgap renormalization and excitonic effects in a 2D semiconductor. <i>Science Advances</i> , 2019 , 5, eaaw2347 | 14.3 | 37 |
| 102 | Anomalous Broadband Spectrum Photodetection in 2D Rhenium Disulfide Transistor. <i>Advanced Optical Materials</i> , 2019 , 7, 1901115 | 8.1 | 26 |
| 101 | Crested two-dimensional transistors. <i>Nature Nanotechnology</i> , 2019 , 14, 223-226 | 28.7 | 81 |
| 100 | Suppressed Out-of-Plane Polarizability of Free Excitons in Monolayer WSe. <i>ACS Nano</i> , 2019 , 13, 3218-3224 | 16.7 | 9 |
| 99 | TMD-Based Phototransistors: Anomalous Broadband Spectrum Photodetection in 2D Rhenium Disulfide Transistor (Advanced Optical Materials 23/2019). <i>Advanced Optical Materials</i> , 2019 , 7, 1970088 | 8.1 | |
| 98 | Layered Hybrid Perovskites for Highly Efficient Three-Photon Absorbers: Theory and Experimental Observation. <i>Advanced Science</i> , 2019 , 6, 1801626 | 13.6 | 9 |
| 97 | Vapour-liquid-solid growth of monolayer MoS nanoribbons. <i>Nature Materials</i> , 2018 , 17, 535-542 | 27 | 185 |
| 96 | Reconfiguring crystal and electronic structures of MoS by substitutional doping. <i>Nature Communications</i> , 2018 , 9, 199 | 17.4 | 85 |
| 95 | Selectively Plasmon-Enhanced Second-Harmonic Generation from Monolayer Tungsten Diselenide on Flexible Substrates. <i>ACS Nano</i> , 2018 , 12, 1859-1867 | 16.7 | 58 |
| 94 | Emergence of photoluminescence on bulk MoS ₂ by laser thinning and gold particle decoration. <i>Nano Research</i> , 2018 , 11, 4574-4586 | 10 | 24 |
| 93 | Excitonic Properties of Chemically Synthesized 2D Organic-Inorganic Hybrid Perovskite Nanosheets. <i>Advanced Materials</i> , 2018 , 30, e1704055 | 24 | 74 |
| 92 | Interlayer screening effects in WS ₂ /WSe ₂ van der Waals hetero-bilayer. <i>2D Materials</i> , 2018 , 5, 041003 | 5.9 | 12 |
| 91 | Electroluminescent Devices Based on 2D Semiconducting Transition Metal Dichalcogenides. <i>Advanced Materials</i> , 2018 , 30, e1802687 | 24 | 53 |
| 90 | Microstructure and Elastic Constants of Transition Metal Dichalcogenide Monolayers from Friction and Shear Force Microscopy. <i>Advanced Materials</i> , 2018 , 30, e1803748 | 24 | 10 |
| 89 | Revealing the Atomic Defects of WS ₂ Governing Its Distinct Optical Emissions. <i>Advanced Functional Materials</i> , 2018 , 28, 1704210 | 15.6 | 49 |
| 88 | Photoluminescence Upconversion by Defects in Hexagonal Boron Nitride. <i>Nano Letters</i> , 2018 , 18, 6898-6905 | 11.5 | 48 |
| 87 | Molecularly thin two-dimensional hybrid perovskites with tunable optoelectronic properties due to reversible surface relaxation. <i>Nature Materials</i> , 2018 , 17, 908-914 | 27 | 207 |
| 86 | Evidence for line width and carrier screening effects on excitonic valley relaxation in 2D semiconductors. <i>Nature Communications</i> , 2018 , 9, 2598 | 17.4 | 33 |

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|----|--|------|-----|
| 85 | Characterization of the second- and third-harmonic optical susceptibilities of atomically thin tungsten diselenide. <i>Scientific Reports</i> , 2018 , 8, 10035 | 4.9 | 37 |
| 84 | Significantly enhanced optoelectronic performance of tungsten diselenide phototransistor via surface functionalization. <i>Nano Research</i> , 2017 , 10, 1282-1291 | 10 | 22 |
| 83 | Chemical Stabilization of 1TTPHase Transition Metal Dichalcogenides with Giant Optical Kerr Nonlinearity. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2504-2511 | 16.4 | 114 |
| 82 | Nonlinear optical properties of a one-dimensional coordination polymer. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2936-2941 | 7.1 | 34 |
| 81 | Determination of Crystal Axes in Semimetallic T?-MoTe2 by Polarized Raman Spectroscopy. <i>Advanced Functional Materials</i> , 2017 , 27, 1604799 | 15.6 | 28 |
| 80 | Thermal dissociation of inter-layer excitons in MoS/MoSe hetero-bilayers. <i>Nanoscale</i> , 2017 , 9, 6674-6679 | 7.7 | 50 |
| 79 | Two-step fabrication of single-layer rectangular SnSe flakes. <i>2D Materials</i> , 2017 , 4, 021026 | 5.9 | 43 |
| 78 | Chalcogenide Nanosheets: Optical Signatures of Many-Body Effects and Electronic Band Structure. <i>Nanostructure Science and Technology</i> , 2017 , 133-162 | 0.9 | 1 |
| 77 | Ultrafast charge transfer dynamics pathways in two-dimensional MoS-graphene heterostructures: a core-hole clock approach. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 29954-29962 | 3.6 | 23 |
| 76 | Efficient Carrier-to-Exciton Conversion in Field Emission Tunnel Diodes Based on MIS-Type van der Waals Heterostack. <i>Nano Letters</i> , 2017 , 17, 5156-5162 | 11.5 | 53 |
| 75 | Rapid visualization of grain boundaries in monolayer MoS by multiphoton microscopy. <i>Nature Communications</i> , 2017 , 8, 15714 | 17.4 | 93 |
| 74 | Feature issue introduction: two-dimensional materials for photonics and optoelectronics. <i>Optical Materials Express</i> , 2016 , 6, 2458 | 2.6 | 1 |
| 73 | Giant photoluminescence enhancement in tungsten-diselenide-gold plasmonic hybrid structures. <i>Nature Communications</i> , 2016 , 7, 11283 | 17.4 | 201 |
| 72 | Exciton-Plasmon Coupling and Electromagnetically Induced Transparency in Monolayer Semiconductors Hybridized with Ag Nanoparticles. <i>Advanced Materials</i> , 2016 , 28, 2709-15 | 24 | 97 |
| 71 | Engineering Bandgaps of Monolayer MoS2 and WS2 on Fluoropolymer Substrates by Electrostatically Tuned Many-Body Effects. <i>Advanced Materials</i> , 2016 , 28, 6457-64 | 24 | 89 |
| 70 | Evidence for Fast Interlayer Energy Transfer in MoSe2/WS2 Heterostructures. <i>Nano Letters</i> , 2016 , 16, 4087-93 | 11.5 | 145 |
| 69 | Effect of oxygen and ozone on p-type doping of ultra-thin WSe2 and MoSe2 field effect transistors. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 4304-9 | 3.6 | 54 |
| 68 | Stable Monolayer Transition Metal Dichalcogenide Ordered Alloys with Tunable Electronic Properties. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 2501-2508 | 3.8 | 46 |

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| 67 | Heterointerface Screening Effects between Organic Monolayers and Monolayer Transition Metal Dichalcogenides. <i>ACS Nano</i> , 2016 , 10, 2476-84 | 16.7 | 66 |
| 66 | Dynamic Structural Evolution of Metal-Metal Bonding Network in Monolayer WS ₂ . <i>Chemistry of Materials</i> , 2016 , 28, 2308-2314 | 9.6 | 31 |
| 65 | Controlling many-body states by the electric-field effect in a two-dimensional material. <i>Nature</i> , 2016 , 529, 185-9 | 50.4 | 301 |
| 64 | Valence-band electronic structure evolution of graphene oxide upon thermal annealing for optoelectronics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 2380-2386 | 1.6 | 7 |
| 63 | Enhancing charge-density-wave order in 1T-TiSe ₂ nanosheet by encapsulation with hexagonal boron nitride. <i>Applied Physics Letters</i> , 2016 , 109, 141902 | 3.4 | 15 |
| 62 | Discovery of a new type of topological Weyl fermion semimetal state in MoWTe. <i>Nature Communications</i> , 2016 , 7, 13643 | 17.4 | 134 |
| 61 | Electronic transport properties of transition metal dichalcogenide field-effect devices: surface and interface effects. <i>Chemical Society Reviews</i> , 2015 , 44, 7715-36 | 58.5 | 282 |
| 60 | Colossal Ultraviolet Photoresponsivity of Few-Layer Black Phosphorus. <i>ACS Nano</i> , 2015 , 9, 8070-7 | 16.7 | 175 |
| 59 | Complex electrical permittivity of the monolayer molybdenum disulfide (MoS ₂) in near UV and visible. <i>Optical Materials Express</i> , 2015 , 5, 447 | 2.6 | 80 |
| 58 | Quantum Transport Detected by Strong Proximity Interaction at a Graphene-WS ₂ van der Waals Interface. <i>Nano Letters</i> , 2015 , 15, 5682-8 | 11.5 | 16 |
| 57 | Halide-assisted atmospheric pressure growth of large WSe ₂ and WS ₂ monolayer crystals. <i>Applied Materials Today</i> , 2015 , 1, 60-66 | 6.6 | 294 |
| 56 | Strong Optical Absorption and Photocurrent Relaxation in 2-D Semiconductors. <i>IEEE Journal of Quantum Electronics</i> , 2015 , 51, 1-6 | 2 | 18 |
| 55 | Electronic structure and optical signatures of semiconducting transition metal dichalcogenide nanosheets. <i>Accounts of Chemical Research</i> , 2015 , 48, 91-9 | 24.3 | 115 |
| 54 | Van der Waals force: a dominant factor for reactivity of graphene. <i>Nano Letters</i> , 2015 , 15, 319-25 | 11.5 | 49 |
| 53 | Luminescent properties of a water-soluble conjugated polymer incorporating graphene-oxide quantum dots. <i>ChemPhysChem</i> , 2015 , 16, 1258-62 | 3.2 | 18 |
| 52 | Charge transport in ion-gated mono-, bi-, and trilayer MoS ₂ field effect transistors. <i>Scientific Reports</i> , 2014 , 4, 7293 | 4.9 | 52 |
| 51 | Electronic properties of graphene encapsulated with different two-dimensional atomic crystals. <i>Nano Letters</i> , 2014 , 14, 3270-6 | 11.5 | 345 |
| 50 | Electronic transport in graphene-based heterostructures. <i>Applied Physics Letters</i> , 2014 , 104, 183504 | 3.4 | 58 |

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| 49 | Macroporous polymer nanocomposites synthesised from high internal phase emulsion templates stabilised by reduced graphene oxide. <i>Polymer</i> , 2014 , 55, 395-402 | 3.9 | 34 |
| 48 | Nonlinear photoluminescence in atomically thin layered WSe ₂ arising from diffusion-assisted exciton-exciton annihilation. <i>Physical Review B</i> , 2014 , 90, | 3.3 | 168 |
| 47 | Photocarrier relaxation pathway in two-dimensional semiconducting transition metal dichalcogenides. <i>Nature Communications</i> , 2014 , 5, 4543 | 17.4 | 294 |
| 46 | Large thermoelectricity via variable range hopping in chemical vapor deposition grown single-layer MoS ₂ . <i>Nano Letters</i> , 2014 , 14, 2730-4 | 11.5 | 171 |
| 45 | Transport properties of monolayer MoS ₂ grown by chemical vapor deposition. <i>Nano Letters</i> , 2014 , 14, 1909-13 | 11.5 | 376 |
| 44 | Wet chemical thinning of molybdenum disulfide down to its monolayer. <i>APL Materials</i> , 2014 , 2, 092509 | 5.7 | 24 |
| 43 | Photoelectrochemical properties of chemically exfoliated MoS ₂ . <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8935 | 13 | 124 |
| 42 | Origin of indirect optical transitions in few-layer MoS ₂ , WS ₂ , and WSe ₂ . <i>Nano Letters</i> , 2013 , 13, 5627-34 | 11.5 | 365 |
| 41 | Conducting MoS ₂ nanosheets as catalysts for hydrogen evolution reaction. <i>Nano Letters</i> , 2013 , 13, 6222-7 | 11.5 | 1613 |
| 40 | Observation of wrinkle induced potential drops in biased chemically derived graphene thin film networks. <i>Carbon</i> , 2013 , 64, 35-44 | 10.4 | 10 |
| 39 | Graphene oxide gate dielectric for graphene-based monolithic field effect transistors. <i>Applied Physics Letters</i> , 2013 , 102, 133108 | 3.4 | 37 |
| 38 | Lattice dynamics in mono- and few-layer sheets of WS ₂ and WSe ₂ . <i>Nanoscale</i> , 2013 , 5, 9677-83 | 7.7 | 574 |
| 37 | Evolution of electronic structure in atomically thin sheets of WS ₂ and WSe ₂ . <i>ACS Nano</i> , 2013 , 7, 791-7 | 16.7 | 1393 |
| 36 | The chemistry of two-dimensional layered transition metal dichalcogenide nanosheets. <i>Nature Chemistry</i> , 2013 , 5, 263-75 | 17.6 | 6689 |
| 35 | An innovative way of etching MoS ₂ : Characterization and mechanistic investigation. <i>Nano Research</i> , 2013 , 6, 200-207 | 10 | 128 |
| 34 | Enhanced catalytic activity in strained chemically exfoliated WS ₂ nanosheets for hydrogen evolution. <i>Nature Materials</i> , 2013 , 12, 850-5 | 27 | 2039 |
| 33 | Two-dimensional crystals: managing light for optoelectronics. <i>ACS Nano</i> , 2013 , 7, 5660-5 | 16.7 | 327 |
| 32 | Free-standing graphene on microstructured silicon vertices for enhanced field emission properties. <i>Nanoscale</i> , 2012 , 4, 3069-74 | 7.7 | 56 |

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|----|---|------|------|
| 31 | Coherent atomic and electronic heterostructures of single-layer MoS ₂ . <i>ACS Nano</i> , 2012 , 6, 7311-7 | 16.7 | 696 |
| 30 | Tunable Photoluminescence from Graphene Oxide. <i>Angewandte Chemie</i> , 2012 , 124, 6766-6770 | 3.6 | 28 |
| 29 | Tunable photoluminescence from graphene oxide. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6662-6 | 16.4 | 520 |
| 28 | Graphene patchwork. <i>ACS Nano</i> , 2011 , 5, 4265-8 | 16.7 | 26 |
| 27 | Incorporation of graphene in quantum dot sensitized solar cells based on ZnO nanorods. <i>Chemical Communications</i> , 2011 , 47, 6084-6 | 5.8 | 78 |
| 26 | Field emission from atomically thin edges of reduced graphene oxide. <i>ACS Nano</i> , 2011 , 5, 4945-52 | 16.7 | 125 |
| 25 | Partially oxidized graphene as a precursor to graphene. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11217 | | 66 |
| 24 | Photoluminescence from chemically exfoliated MoS ₂ . <i>Nano Letters</i> , 2011 , 11, 5111-6 | 11.5 | 2897 |
| 23 | Reduced graphene oxide electrodes for large area organic electronics. <i>Advanced Materials</i> , 2011 , 23, 1558-62 | 24 | 83 |
| 22 | Graphene oxide as a chemically tunable platform for optical applications. <i>Nature Chemistry</i> , 2010 , 2, 1015-24 | 16.7 | 2633 |
| 21 | Graphene and mobile ions: the key to all-plastic, solution-processed light-emitting devices. <i>ACS Nano</i> , 2010 , 4, 637-42 | 16.7 | 242 |
| 20 | Highly uniform 300 mm wafer-scale deposition of single and multilayered chemically derived graphene thin films. <i>ACS Nano</i> , 2010 , 4, 524-8 | 16.7 | 189 |
| 19 | Direct white light emission from inorganic/organic hybrid semiconductor bulk materials. <i>Journal of Materials Chemistry</i> , 2010 , 20, 10676 | | 49 |
| 18 | Blue photoluminescence from chemically derived graphene oxide. <i>Advanced Materials</i> , 2010 , 22, 505-9 | 24 | 1643 |
| 17 | Chemically derived graphene oxide: towards large-area thin-film electronics and optoelectronics. <i>Advanced Materials</i> , 2010 , 22, 2392-415 | 24 | 1818 |
| 16 | Evolution of Electrical, Chemical, and Structural Properties of Transparent and Conducting Chemically Derived Graphene Thin Films. <i>Advanced Functional Materials</i> , 2009 , 19, 2577-2583 | 15.6 | 1451 |
| 15 | Atomic and electronic structure of graphene-oxide. <i>Nano Letters</i> , 2009 , 9, 1058-63 | 11.5 | 921 |
| 14 | Graphene-based composite thin films for electronics. <i>Nano Letters</i> , 2009 , 9, 814-8 | 11.5 | 576 |

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|----|--|------|------|
| 13 | Zinc oxide nanowire networks for macroelectronic devices. <i>Applied Physics Letters</i> , 2009 , 94, 163501 | 3.4 | 45 |
| 12 | Insulator to Semimetal Transition in Graphene Oxide. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 15768-15871 | 3.5 | 504 |
| 11 | Large-area ultrathin films of reduced graphene oxide as a transparent and flexible electronic material. <i>Nature Nanotechnology</i> , 2008 , 3, 270-4 | 28.7 | 3697 |
| 10 | Transparent and conducting electrodes for organic electronics from reduced graphene oxide. <i>Applied Physics Letters</i> , 2008 , 92, 233305 | 3.4 | 336 |
| 9 | Field emission from graphene based composite thin films. <i>Applied Physics Letters</i> , 2008 , 93, 233502 | 3.4 | 226 |
| 8 | Bundling dynamics of single walled carbon nanotubes in aqueous suspensions. <i>Journal of Applied Physics</i> , 2008 , 103, 093118 | 2.5 | 9 |
| 7 | Bead-to-fiber transition in electrospun polystyrene. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 475-487 | 4.7 | 96 |
| 6 | Solvent effects on jet evolution during electrospinning of semi-dilute polystyrene solutions. <i>European Polymer Journal</i> , 2007 , 43, 1154-1167 | 5.2 | 48 |
| 5 | Flight path of electrospun polystyrene solutions: Effects of molecular weight and concentration. <i>Materials Letters</i> , 2007 , 61, 1451-1455 | 3.3 | 31 |
| 4 | Improved conductivity of transparent single-wall carbon nanotube thin films via stable postdeposition functionalization. <i>Applied Physics Letters</i> , 2007 , 90, 121913 | 3.4 | 203 |
| 3 | Bead structure variations during electrospinning of polystyrene. <i>Journal of Materials Science</i> , 2006 , 41, 5704-5708 | 4.3 | 48 |
| 2 | Mode-Center Placement of Monolayer WS ₂ in a Photonic Polymer Waveguide. <i>Advanced Optical Materials</i> , 2101684 | 8.1 | 1 |
| 1 | Phase Matching via Plasmonic Modal Dispersion for Third Harmonic Generation. <i>Advanced Science</i> , 22011806 | 13.6 | 1 |