

Vladimir BuloviÄ

List of Publications by Year in descending order

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148
times ranked

24177
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | An Ultrathin Flexible Loudspeaker Based on a Piezoelectric Microdome Array. IEEE Transactions on Industrial Electronics, 2023, 70, 985-994. | 5.2 | 6 |
| 2 | Predicting Low Toxicity and Scalable Solvent Systems for High-Speed Roll-to-Roll Perovskite Manufacturing. Solar Rrl, 2022, 6, 2100567. | 3.1 | 7 |
| 3 | Terahertz Field-Induced Reemergence of Quenched Photoluminescence in Quantum Dots. Nano Letters, 2022, , . | 4.5 | 0 |
| 4 | Predicting Low Toxicity and Scalable Solvent Systems for High-Speed Roll-to-Roll Perovskite Manufacturing. Solar Rrl, 2022, 6, . | 3.1 | 0 |
| 5 | Impact of Photon Recycling, Grain Boundaries, and Nonlinear Recombination on Energy Transport in Semiconductors. ACS Photonics, 2022, 9, 110-122. | 3.2 | 13 |
| 6 | A versatile acoustically active surface based on piezoelectric microstructures. Microsystems and Nanoengineering, 2022, 8, . | 3.4 | 8 |
| 7 | Voltage-controlled reversible modulation of colloidal quantum dot thin film photoluminescence. Applied Physics Letters, 2022, 120, 211104. | 1.5 | 6 |
| 8 | Morphology control of perovskite films: a two-step, all solution process for conversion of lead selenide into methylammonium lead iodide. Materials Chemistry Frontiers, 2021, 5, 1410-1417. | 3.2 | 9 |
| 9 | Silver Nanowire Back Electrode Stabilized with Graphene Oxide Encapsulation for Inverted Semitransparent Organic Solar Cells with Longer Lifetime. ACS Applied Energy Materials, 2021, 4, 1431-1441. | 2.5 | 31 |
| 10 | Nanocrystal-Sensitized Infrared-to-Visible Upconversion in a Microcavity under Subsolar Flux. Nano Letters, 2021, 21, 1011-1016. | 4.5 | 26 |
| 11 | Hybrid Approach to Fabricate Uniform and Active Molecular Junctions. Nano Letters, 2021, 21, 1606-1612. | 4.5 | 6 |
| 12 | Efficient perovskite solar cells via improved carrier management. Nature, 2021, 590, 587-593. | 13.7 | 1,972 |
| 13 | Monolayer Hexagonal Boron Nitride: An Efficient Electron Blocking Layer in Organic Photovoltaics. Advanced Functional Materials, 2021, 31, 2101238. | 7.8 | 9 |
| 14 | Molecular Platform for Fast Low-Voltage Nanoelectromechanical Switching. Nano Letters, 2021, 21, 10244-10251. | 4.5 | 4 |
| 15 | All-vacuum-deposited inorganic cesium lead halide perovskite light-emitting diodes. APL Materials, 2020, 8, . | 2.2 | 28 |
| 16 | Consensus statement for stability assessment and reporting for perovskite photovoltaics based on ISOS procedures. Nature Energy, 2020, 5, 35-49. | 19.8 | 797 |
| 17 | Maximizing the external radiative efficiency of hybrid perovskite solar cells. Pure and Applied Chemistry, 2020, 92, 697-706. | 0.9 | 9 |
| 18 | High-Speed Vapor Transport Deposition of Perovskite Thin Films. ACS Applied Materials & Interfaces, 2019, 11, 32928-32936. | 4.0 | 24 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Decreased Synthesis Costs and Waste Product Toxicity for Lead Sulfide Quantum Dot Ink Photovoltaics. <i>Advanced Sustainable Systems</i> , 2019, 3, 1900061. | 2.7 | 14 |
| 20 | Benefit from Photon Recycling at the Maximum-Power Point of State-of-the-Art Perovskite Solar Cells. <i>Physical Review Applied</i> , 2019, 12, . | 1.5 | 50 |
| 21 | Terahertz-Driven Stark Spectroscopy of CdSe and CdSeâ€‘CdS Coreâ€‘Shell Quantum Dots. <i>Nano Letters</i> , 2019, 19, 8125-8131. | 4.5 | 15 |
| 22 | Charge-Carrier Recombination in Halide Perovskites. <i>Chemical Reviews</i> , 2019, 119, 11007-11019. | 23.0 | 197 |
| 23 | Lattice strain causes non-radiative losses in halide perovskites. <i>Energy and Environmental Science</i> , 2019, 12, 596-606. | 15.6 | 343 |
| 24 | An interface stabilized perovskite solar cell with high stabilized efficiency and low voltage loss. <i>Energy and Environmental Science</i> , 2019, 12, 2192-2199. | 15.6 | 542 |
| 25 | M13 Virusâ€‘Based Framework for High Fluorescence Enhancement. <i>Small</i> , 2019, 15, e1901233. | 5.2 | 30 |
| 26 | Triplet-Sensitization by Lead Halide Perovskite Thin Films for Near-Infrared-to-Visible Upconversion. <i>ACS Energy Letters</i> , 2019, 4, 888-895. | 8.8 | 117 |
| 27 | Micronâ€‘Scale Patterning of High Quantum Yield Quantum Dot LEDs. <i>Advanced Materials Technologies</i> , 2019, 4, 1800727. | 3.0 | 33 |
| 28 | Controllable Perovskite Crystallization via Antisolvent Technique Using Chloride Additives for Highly Efficient Planar Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1803587. | 10.2 | 221 |
| 29 | Bulk recrystallization for efficient mixed-cation mixed-halide perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25511-25520. | 5.2 | 27 |
| 30 | The Impact of Atmosphere on the Local Luminescence Properties of Metal Halide Perovskite Grains. <i>Advanced Materials</i> , 2018, 30, e1706208. | 11.1 | 149 |
| 31 | Grapheneâ€‘Perovskite Schottky Barrier Solar Cells. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700106. | 2.7 | 12 |
| 32 | Stable Lightâ€‘Emitting Diodes Using Phaseâ€‘Pure Ruddlesdenâ€‘Popper Layered Perovskites. <i>Advanced Materials</i> , 2018, 30, 1704217. | 11.1 | 258 |
| 33 | Luminescence of III-IV-V thin film alloys grown by metalorganic chemical vapor deposition. <i>Journal of Applied Physics</i> , 2018, 123, . | 1.1 | 6 |
| 34 | An ingestible bacterial-electronic system to monitor gastrointestinal health. <i>Science</i> , 2018, 360, 915-918. | 6.0 | 380 |
| 35 | Interfacial Effects of Tin Oxide Atomic Layer Deposition in Metal Halide Perovskite Photovoltaics. <i>Advanced Energy Materials</i> , 2018, 8, 1800591. | 10.2 | 62 |
| 36 | Synthesis cost dictates the commercial viability of lead sulfide and perovskite quantum dot photovoltaics. <i>Energy and Environmental Science</i> , 2018, 11, 2295-2305. | 15.6 | 106 |

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|----|--|------|-----------|
| 37 | Probing buried recombination pathways in perovskite structures using 3D photoluminescence tomography. <i>Energy and Environmental Science</i> , 2018, 11, 2846-2852. | 15.6 | 42 |
| 38 | Impact of microstructure on the electronâ€”hole interaction in lead halide perovskites. <i>Energy and Environmental Science</i> , 2017, 10, 1358-1366. | 15.6 | 36 |
| 39 | Tailoring metal halide perovskites through metal substitution: influence on photovoltaic and material properties. <i>Energy and Environmental Science</i> , 2017, 10, 236-246. | 15.6 | 230 |
| 40 | Photoluminescent Arrays of Nanopatterned Monolayer MoS ₂ . <i>Advanced Functional Materials</i> , 2017, 27, 1703688. | 7.8 | 35 |
| 41 | Metal Halide Perovskite Polycrystalline Films Exhibiting Properties of Single Crystals. <i>Joule</i> , 2017, 1, 155-167. | 11.7 | 264 |
| 42 | Speed Limit for Triplet-Exciton Transfer in Solid-State PbS Nanocrystal-Sensitized Photon Upconversion. <i>ACS Nano</i> , 2017, 11, 7848-7857. | 7.3 | 130 |
| 43 | Terahertz-Driven Luminescence and Colossal Stark Effect in CdSeâ€”CdS Colloidal Quantum Dots. <i>Nano Letters</i> , 2017, 17, 5375-5380. | 4.5 | 53 |
| 44 | Directâ€”indirect character of the bandgap in methylammonium lead iodide perovskite. <i>Nature Materials</i> , 2017, 16, 115-120. | 13.3 | 369 |
| 45 | Oxidative Chemical Vapor Deposition of Neutral Hole Transporting Polymer for Enhanced Solar Cell Efficiency and Lifetime. <i>Advanced Materials</i> , 2016, 28, 6399-6404. | 11.1 | 23 |
| 46 | Sub-50 mV NEM relay operation enabled by self-assembled molecular coating. , 2016, , . | | 25 |
| 47 | All vapor-deposited lead-free doped CsSnBr ₃ planar solar cells. <i>Nano Energy</i> , 2016, 28, 469-474. | 8.2 | 139 |
| 48 | Plexciton Dirac points and topological modes. <i>Nature Communications</i> , 2016, 7, 11783. | 5.8 | 66 |
| 49 | The Impact of Phase Retention on the Structural and Optoelectronic Properties of Metal Halide Perovskites. <i>Advanced Materials</i> , 2016, 28, 10757-10763. | 11.1 | 65 |
| 50 | Photo-induced halide redistribution in organicâ€”inorganic perovskite films. <i>Nature Communications</i> , 2016, 7, 11683. | 5.8 | 778 |
| 51 | In situ vapor-deposited parylene substrates for ultra-thin, lightweight organic solar cells. <i>Organic Electronics</i> , 2016, 31, 120-126. | 1.4 | 63 |
| 52 | V OC enhancement in polymer solar cells with isobenzofulveneâ€”C 60 adducts. <i>Organic Electronics</i> , 2016, 31, 48-55. | 1.4 | 9 |
| 53 | Photovoltaic Performance of PbS Quantum Dots Treated with Metal Salts. <i>ACS Nano</i> , 2016, 10, 3382-3388. | 7.3 | 75 |
| 54 | Tunneling nanoelectromechanical switches. , 2015, , . | | 0 |

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|----|--|------|-----------|
| 55 | Electromechanically actuating molecules. , 2015, , . | | 0 |
| 56 | Pathways for solar photovoltaics. Energy and Environmental Science, 2015, 8, 1200-1219. | 15.6 | 385 |
| 57 | Spin-dependent charge transfer state design rules in organic photovoltaics. Nature Communications, 2015, 6, 6415. | 5.8 | 83 |
| 58 | Open-Circuit Voltage Deficit, Radiative Sub-Bandgap States, and Prospects in Quantum Dot Solar Cells. Nano Letters, 2015, 15, 3286-3294. | 4.5 | 223 |
| 59 | Solid-State Solvation and Enhanced Exciton Diffusion in Doped Organic Thin Films under Mechanical Pressure. ACS Nano, 2015, 9, 4412-4418. | 7.3 | 7 |
| 60 | The Role of Electronâ€”Hole Separation in Thermally Activated Delayed Fluorescence in Donorâ€”Acceptor Blends. Journal of Physical Chemistry C, 2015, 119, 25591-25597. | 1.5 | 45 |
| 61 | Tunneling Nanoelectromechanical Switches Based on Compressible Molecular Thin Films. ACS Nano, 2015, 9, 7886-7894. | 7.3 | 22 |
| 62 | pâ€”n Heterojunction Solar Cells with a Colloidal Quantumâ€”Dot Absorber Layer. Advanced Materials, 2014, 26, 4845-4850. | 11.1 | 67 |
| 63 | Improved performance and stability in quantumâ€”dot solar cells through band alignmentâ€”engineering. Nature Materials, 2014, 13, 796-801. | 13.3 | 1,511 |
| 64 | Electrically tunable organic vertical-cavity surface-emitting laser. Applied Physics Letters, 2014, 105, 073303. | 1.5 | 7 |
| 65 | ZnO Nanowire Arrays for Enhanced Photocurrent in PbS Quantum Dot Solar Cells (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Oyverlock 10 | 11.1 | 2 |
| 66 | Cyclobutadieneâ€”C₆₀ Adducts: Nâ€”Type Materials for Organic Photovoltaic Cells with High V_{OC}. Advanced Functional Materials, 2013, 23, 3061-3069. | 7.8 | 33 |
| 67 | Graphene Cathode-Based ZnO Nanowire Hybrid Solar Cells. Nano Letters, 2013, 13, 233-239. | 4.5 | 193 |
| 68 | Emergence of colloidal quantum-dot light-emitting technologies. Nature Photonics, 2013, 7, 13-23. | 15.6 | 2,155 |
| 69 | Origin of Efficiency Roll-Off in Colloidal Quantum-Dot Light-Emitting Diodes. Physical Review Letters, 2013, 110, 217403. | 2.9 | 144 |
| 70 | Electrophoretic Deposition of CdSe/ZnS Quantum Dots for Lightâ€”Emitting Devices. Advanced Materials, 2013, 25, 1420-1423. | 11.1 | 79 |
| 71 | Low-Temperature Solution-Processed Solar Cells Based on PbS Colloidal Quantum Dot/CdS Heterojunctions. Nano Letters, 2013, 13, 994-999. | 4.5 | 129 |
| 72 | Effect of synthetic accessibility on the commercial viability of organic photovoltaics. Energy and Environmental Science, 2013, 6, 711. | 15.6 | 288 |

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| 73 | ZnO Nanowire Arrays for Enhanced Photocurrent in PbS Quantum Dot Solar Cells. <i>Advanced Materials</i> , 2013, 25, 2790-2796. | 11.1 | 251 |
| 74 | Coarsening and solidification via solvent-annealing in thin liquid films. <i>Journal of Fluid Mechanics</i> , 2013, 723, 69-90. | 1.4 | 3 |
| 75 | High-efficiency quantum-dot light-emitting devices with enhanced charge injection. <i>Nature Photonics</i> , 2013, 7, 407-412. | 15.6 | 1,025 |
| 76 | The application of oxidative chemical vapor deposited (oCVD) PEDOT to textured and non-planar photovoltaic device geometries for enhanced light trapping. <i>Organic Electronics</i> , 2013, 14, 2257-2268. | 1.4 | 29 |
| 77 | Lasing through a strongly-coupled mode by intra-cavity pumping. <i>Optics Express</i> , 2013, 21, 12122. | 1.7 | 32 |
| 78 | QLEDs for displays and solid-state lighting. <i>MRS Bulletin</i> , 2013, 38, 703-711. | 1.7 | 184 |
| 79 | Colloidal quantum dot light emitting devices. , 2013, , 148-172. | | 4 |
| 80 | Cathode buffer layers based on vacuum and solution deposited poly(3,4-ethylenedioxythiophene) for efficient inverted organic solar cells. <i>Applied Physics Letters</i> , 2012, 100, . | 1.5 | 25 |
| 81 | Near-infrared photodetector consisting of J-aggregating cyanine dye and metal oxide thin films. <i>Applied Physics Letters</i> , 2012, 101, 113303. | 1.5 | 41 |
| 82 | Improving the Performance of P3HTâ€“Fullerene Solar Cells with Side-Chain-Functionalized Poly(thiophene) Additives: A New Paradigm for Polymer Design. <i>ACS Nano</i> , 2012, 6, 3044-3056. | 7.3 | 123 |
| 83 | Study of field driven electroluminescence in colloidal quantum dot solids. <i>Journal of Applied Physics</i> , 2012, 111, . | 1.1 | 38 |
| 84 | Micron-Scale Molecular Organic Microcavity Arrays Patterned With Thin-Film Contact-Patterning. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 104-106. | 1.3 | 2 |
| 85 | Multijunction organic photovoltaics with a broad spectral response. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14548. | 1.3 | 14 |
| 86 | Triplet Exciton Dissociation in Singlet Exciton Fission Photovoltaics. <i>Advanced Materials</i> , 2012, 24, 6169-6174. | 11.1 | 108 |
| 87 | Contact printing of colloidal nanocrystal thin films for hybrid organic/quantum dot optoelectronic devices. <i>Nano Reviews</i> , 2012, 3, 16144. | 3.7 | 13 |
| 88 | Twenty-Fold Enhancement of Molecular Fluorescence by Coupling to a J-Aggregate Critically Coupled Resonator. <i>ACS Nano</i> , 2012, 6, 467-471. | 7.3 | 28 |
| 89 | Printed MEMS membranes on silicon. , 2012, , . | | 3 |
| 90 | Organic Solar Cells with Graphene Electrodes and Vapor Printed Poly(3,4-ethylenedioxythiophene) as the Hole Transporting Layers. <i>ACS Nano</i> , 2012, 6, 6370-6377. | 7.3 | 81 |

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| 91 | Topâ€lluminated Organic Photovoltaics on a Variety of Opaque Substrates with Vaporâ€printed Poly(3,4â€ethyleneedioxythiophene) Top Electrodes and MoO ₃ Buffer Layer. <i>Advanced Energy Materials</i> , 2012, 2, 1404-1409. | 10.2 | 36 |
| 92 | Bilayer heterojunction polymer solar cells using unsubstituted polythiophene via oxidative chemical vapor deposition. <i>Solar Energy Materials and Solar Cells</i> , 2012, 99, 190-196. | 3.0 | 55 |
| 93 | Performance Comparison of Different Organic Molecular Floating-Gate Memories. <i>IEEE Nanotechnology Magazine</i> , 2011, 10, 594-599. | 1.1 | 25 |
| 94 | Transparent, near-infrared organic photovoltaic solar cells for window and energy-scavenging applications. <i>Applied Physics Letters</i> , 2011, 98, . | 1.5 | 291 |
| 95 | Photo-assisted water oxidation with cobalt-based catalyst formed from thin-film cobalt metal on silicon photoanodes. <i>Energy and Environmental Science</i> , 2011, 4, 2058. | 15.6 | 106 |
| 96 | Electroluminescence from Nanoscale Materials via Field-Driven Ionization. <i>Nano Letters</i> , 2011, 11, 2927-2932. | 4.5 | 51 |
| 97 | Improved Current Extraction from ZnO/PbS Quantum Dot Heterojunction Photovoltaics Using a MoO ₃ Interfacial Layer. <i>Nano Letters</i> , 2011, 11, 2955-2961. | 4.5 | 265 |
| 98 | Morphology of contact printed colloidal quantum dots in organic semiconductor films: Implications for QD-LEDs. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 120-123. | 0.8 | 1 |
| 99 | Direct Monolithic Integration of Organic Photovoltaic Circuits on Unmodified Paper. <i>Advanced Materials</i> , 2011, 23, 3500-3505. | 11.1 | 243 |
| 100 | Practical Roadmap and Limits to Nanostructured Photovoltaics. <i>Advanced Materials</i> , 2011, 23, 5712-5727. | 11.1 | 160 |
| 101 | Paper Electronics: Direct Monolithic Integration of Organic Photovoltaic Circuits on Unmodified Paper (<i>Adv. Mater.</i> 31/2011). <i>Advanced Materials</i> , 2011, 23, 3499-3499. | 11.1 | 36 |
| 102 | Colloidal PbS Quantum Dot Solar Cells with High Fill Factor. <i>ACS Nano</i> , 2010, 4, 3743-3752. | 7.3 | 416 |
| 103 | Direct formation of a water oxidation catalyst from thin-film cobalt. <i>Energy and Environmental Science</i> , 2010, 3, 1726. | 15.6 | 59 |
| 104 | Contactâ€printed Microelectromechanical Systems. <i>Advanced Materials</i> , 2010, 22, 1840-1844. | 11.1 | 29 |
| 105 | Interfacial Recombination for Fast Operation of a Planar Organic/QD Infrared Photodetector. <i>Advanced Materials</i> , 2010, 22, 5250-5254. | 11.1 | 66 |
| 106 | Intracavity optical pumping of J-aggregate microcavity exciton polaritons. <i>Physical Review B</i> , 2010, 82, . | 1.1 | 22 |
| 107 | Colloidal quantum dot light-emitting devices. <i>Nano Reviews</i> , 2010, 1, 5202. | 3.7 | 350 |
| 108 | Quantum Dot/J-Aggregate Blended Films for Light Harvesting and Energy Transfer. <i>Nano Letters</i> , 2010, 10, 3995-3999. | 4.5 | 69 |

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| 109 | Nanoscale Morphology Revealed at the Interface Between Colloidal Quantum Dots and Organic Semiconductor Films. <i>Nano Letters</i> , 2010, 10, 2421-2426. | 4.5 | 26 |
| 110 | Tunable Infrared Emission From Printed Colloidal Quantum Dot/Polymer Composite Films on Flexible Substrates. <i>Journal of Display Technology</i> , 2010, 6, 90-93. | 1.3 | 22 |
| 111 | Air-Stable Operation of Transparent, Colloidal Quantum Dot Based LEDs with a Unipolar Device Architecture. <i>Nano Letters</i> , 2010, 10, 24-29. | 4.5 | 149 |
| 112 | Inkjet-Printed Quantum Dot-Polymer Composites for Full-Color AC-Driven Displays. <i>Advanced Materials</i> , 2009, 21, 2151-2155. | 11.1 | 367 |
| 113 | Quantum Dot-Polymer Composites for Displays: Inkjet-Printed Quantum Dot-Polymer Composites for Full-Color AC-Driven Displays (<i>Adv. Mater.</i> 21/2009). <i>Advanced Materials</i> , 2009, 21, NA-NA. | 11.1 | 2 |
| 114 | Heterojunction Photovoltaics Using Printed Colloidal Quantum Dots as a Photosensitive Layer. <i>Nano Letters</i> , 2009, 9, 860-863. | 4.5 | 69 |
| 115 | Photoluminescence quenching of tris-(8-hydroxyquinoline) aluminum thin films at interfaces with metal oxide films of different conductivities. <i>Physical Review B</i> , 2009, 79, . | 1.1 | 35 |
| 116 | Quantum Dot Light-Emitting Devices with Electroluminescence Tunable over the Entire Visible Spectrum. <i>Nano Letters</i> , 2009, 9, 2532-2536. | 4.5 | 796 |
| 117 | Synthesis of J-Aggregating Dibenz[<i>a</i> , <i>j</i>]anthracene-Based Macrocycles. <i>Journal of the American Chemical Society</i> , 2009, 131, 5659-5666. | 6.6 | 79 |
| 118 | Lateral heterojunction photodetector consisting of molecular organic and colloidal quantum dot thin films. <i>Applied Physics Letters</i> , 2009, 94, 043307. | 1.5 | 33 |
| 119 | An Organic Active-Matrix Imager. <i>IEEE Transactions on Electron Devices</i> , 2008, 55, 527-532. | 1.6 | 56 |
| 120 | Contact Printing of Quantum Dot Light-Emitting Devices. <i>Nano Letters</i> , 2008, 8, 4513-4517. | 4.5 | 294 |
| 121 | Using Integrated Optical Feedback to Counter Pixel Aging and Stabilize Light Output of Organic LED Display Technology. <i>Journal of Display Technology</i> , 2008, 4, 308-313. | 1.3 | 3 |
| 122 | Predicting the linear optical response of J -aggregate microcavity exciton-polariton devices. <i>Physical Review B</i> , 2008, 78, . | 1.1 | 7 |
| 123 | Planarization in Electrochemically Fabricated Nanodimensional Films. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7318-7325. | 1.5 | 0 |
| 124 | Lateral organic bilayer heterojunction photoconductors. <i>Applied Physics Letters</i> , 2008, 93, 063305. | 1.5 | 21 |
| 125 | Superradiance and motional narrowing of exciton-polaritons in J -aggregate thin films. , 2007, , . | | 0 |
| 126 | Exciton-polaritons at room temperature in dielectric microcavities exhibiting rabi-splitting ©ɫ 100 meV. , 2007, , . | | 0 |

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| 127 | Micropatterning metal electrode of organic light emitting devices using rapid polydimethylsiloxane lift-off. Applied Physics Letters, 2007, 91, 043102. | 1.5 | 33 |
| 128 | Electroluminescence from a Mixed Red-Green-Blue Colloidal Quantum Dot Monolayer. Nano Letters, 2007, 7, 2196-2200. | 4.5 | 399 |
| 129 | Highly Efficient Resonance Energy Transfer in Ultrathin Organic-Inorganic Semiconductor Hybrid Films. , 2007, , . | | 0 |
| 130 | Superradiance and Motional Narrowing of Exciton-Polaritons in J-Aggregate Thin Films. , 2007, , . | | 0 |
| 131 | Bias-Induced Photoluminescence Quenching of Single Colloidal Quantum Dots Embedded in Organic Semiconductors. Nano Letters, 2007, 7, 3781-3786. | 4.5 | 60 |
| 132 | Solid state cavity QED: Strong coupling in organic thin films. Organic Electronics, 2007, 8, 94-113. | 1.4 | 104 |
| 133 | Organic Electronic Device Modeling at the Nanoscale. IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers, 2006, , . | 0.0 | 0 |
| 134 | NiO as an Inorganic Hole-Transporting Layer in Quantum-Dot Light-Emitting Devices. Nano Letters, 2006, 6, 2991-2994. | 4.5 | 234 |
| 135 | 35.1: Invited Paper: Quantum Dot Light Emitting Devices for Pixelated Full Color Displays. Digest of Technical Papers SID International Symposium, 2006, 37, 1368. | 0.1 | 1 |
| 136 | Color-Saturated Green-Emitting QD-LEDs. Angewandte Chemie - International Edition, 2006, 45, 5796-5799. | 7.2 | 250 |
| 137 | Ultrafast exciton response of high optical density J-aggregates from ultrathin films of cyanine dyes. , 2006, , . | | 0 |
| 138 | Critically coupling a 5.1 nm thick J-aggregate layer to a single dielectric mirror, resulting in an effective peak absorption constant of $6.9 \times 10^6 \text{ cm}^{-1}$. , 2006, , . | | 0 |
| 139 | Method for fabrication of saturated RGB quantum dot light-emitting devices. , 2005, , . | | 15 |
| 140 | Forming oriented organic crystals from amorphous thin films on patterned substrates via solvent-vapor annealing. Organic Electronics, 2005, 6, 211-220. | 1.4 | 52 |
| 141 | Large-Area Ordered Quantum-Dot Monolayers via Phase Separation During Spin-Casting. Advanced Functional Materials, 2005, 15, 1117-1124. | 7.8 | 263 |
| 142 | Strong Coupling in a Microcavity LED. Physical Review Letters, 2005, 95, 036401. | 2.9 | 214 |
| 143 | Photodetectors based on treated CdSe quantum-dot films. Applied Physics Letters, 2005, 87, 213505. | 1.5 | 229 |
| 144 | Blue Luminescence from (CdS)ZnS Core-Shell Nanocrystals. Angewandte Chemie - International Edition, 2004, 43, 2154-2158. | 7.2 | 382 |

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| 145 | Tuning the performance of hybrid organic/inorganic quantum dot light-emitting devices. Organic Electronics, 2003, 4, 123-130. | 1.4 | 218 |
| 146 | Polymer-on-Polymer Stamping on Micro- and Nano-Scales. Materials Research Society Symposia Proceedings, 2002, 736, 1. | 0.1 | 1 |
| 147 | Electroluminescence from single monolayers of nanocrystals in molecular organic devices. Nature, 2002, 420, 800-803. | 13.7 | 2,420 |