

# Uli Lemmer

## List of Publications by Citations

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516  
ext. papers

16,777  
ext. citations

6.1  
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6.44  
L-index

#	Paper	IF	Citations
454	Near-infrared imaging with quantum-dot-sensitized organic photodiodes. <i>Nature Photonics</i> , <b>2009</b> , 3, 332-336	33.9	512
453	Femtosecond energy relaxation in pi -conjugated polymers. <i>Physical Review Letters</i> , <b>1993</b> , 70, 3820-3823	7.4	388
452	Aggregate fluorescence in conjugated polymers. <i>Chemical Physics Letters</i> , <b>1995</b> , 240, 373-378	2.5	364
451	Exciton diffusion and dissociation in conjugated polymer/fullerene blends and heterostructures. <i>Physical Review B</i> , <b>1999</b> , 59, 15346-15351	3.3	328
450	Ultrafast field-induced dissociation of excitons in conjugated polymers. <i>Physical Review Letters</i> , <b>1994</b> , 73, 1440-1443	7.4	292
449	Optically Induced Damping of the Surface Plasmon Resonance in Gold Colloids. <i>Physical Review Letters</i> , <b>1997</b> , 78, 2192-2195	7.4	275
448	Size-dependent absolute quantum yields for size-separated colloidally-stable silicon nanocrystals. <i>Nano Letters</i> , <b>2012</b> , 12, 337-42	11.5	260
447	Multicolor silicon light-emitting diodes (SiLEDs). <i>Nano Letters</i> , <b>2013</b> , 13, 475-80	11.5	241
446	Record Open-Circuit Voltage Wide-Bandgap Perovskite Solar Cells Utilizing 2D/3D Perovskite Heterostructure. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803699	21.8	235
445	A Flexible Conjugated Polymer Laser. <i>Advanced Materials</i> , <b>1998</b> , 10, 920-923	24	220
444	Conjugated polymers: lasing and stimulated emission. <i>Current Opinion in Solid State and Materials Science</i> , <b>2001</b> , 5, 143-154	12	185
443	X-ray imaging with scintillator-sensitized hybrid organic photodetectors. <i>Nature Photonics</i> , <b>2015</b> , 9, 843-848	34.8	184
442	A nearly diffraction limited surface emitting conjugated polymer laser utilizing a two-dimensional photonic band structure. <i>Applied Physics Letters</i> , <b>2000</b> , 77, 2310-2312	3.4	176
441	Conformational effects in poly(p-phenylene vinylene)s revealed by low-temperature site-selective fluorescence. <i>Journal of Physics Condensed Matter</i> , <b>1993</b> , 5, 247-260	1.8	170
440	Efficiency Enhancement of Organic and Thin-Film Silicon Solar Cells with Photochemical Upconversion. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 22794-22801	3.8	146
439	Moving through the phase diagram: morphology formation in solution cast polymer-fullerene blend films for organic solar cells. <i>ACS Nano</i> , <b>2011</b> , 5, 8579-90	16.7	144
438	Enhanced electron injection into inverted polymer light-emitting diodes by combined solution-processed zinc oxide/polyethylenimine interlayers. <i>Advanced Materials</i> , <b>2014</b> , 26, 2750-4, 2618	24	132

437	Molecular Construction Kit for Tuning Solubility, Stability and Luminescence Properties: Heteroleptic MePyrPHOS-Copper Iodide-Complexes and their Application in Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 3414-3426	9.6	126
436	Inkjet-Printed Triple Cation Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 1834-1839	6.1	112
435	Efficient Semi-Transparent Organic Solar Cells with Good Transparency Color Perception and Rendering Properties. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 599-603	21.8	111
434	Ultrafast dynamics of charge carrier photogeneration and geminate recombination in conjugated polymer:fullerene solar cells. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	111
433	Lateral Patterning of CdTe Nanocrystal Films by the Electric Field Directed Layer-by-Layer Assembly Method. <i>Langmuir</i> , <b>2002</b> , 18, 4098-4102	4	111
432	Preparation of monodisperse silicon nanocrystals using density gradient ultracentrifugation. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 11928-31	16.4	109
431	The influence of annihilation processes on the threshold current density of organic laser diodes. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 023107	2.5	108
430	Solution processed, white emitting tandem organic light-emitting diodes with inverted device architecture. <i>Advanced Materials</i> , <b>2014</b> , 26, 5155-9	24	104
429	Linewidth-limited energy transfer in single conjugated polymer molecules. <i>Physical Review Letters</i> , <b>2003</b> , 91, 267403	7.4	104
428	Very compact tunable solid-state laser utilizing a thin-film organic semiconductor. <i>Optics Letters</i> , <b>2001</b> , 26, 593-5	3	104
427	Time resolved luminescence study of recombination processes in electroluminescent polymers. <i>Applied Physics Letters</i> , <b>1993</b> , 62, 2827-2829	3.4	101
426	Terahertz emission from lateral photo-Dember currents. <i>Optics Express</i> , <b>2010</b> , 18, 4939-47	3.3	100
425	Coated and Printed Perovskites for Photovoltaic Applications. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806702	24	97
424	Monte Carlo study of picosecond exciton relaxation and dissociation in poly(phenylenevinylene). <i>Physical Review B</i> , <b>1996</b> , 54, 5536-5544	3.3	95
423	Organic Semiconductors for Thermoelectric Applications. <i>Journal of Electronic Materials</i> , <b>2010</b> , 39, 1589-1592	1.592	92
422	Dynamics of optical excitations in a ladder-type pi -conjugated polymer containing aggregate states. <i>Physical Review B</i> , <b>1996</b> , 54, 1759-1765	3.3	89
421	Dynamics of singlet excitations in conjugated polymers: Poly(phenylenevinylene) and poly(phenylphenylenevinylene). <i>Physical Review B</i> , <b>1994</b> , 50, 10769-10779	3.3	88
420	Multipass inkjet printed planar methylammonium lead iodide perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 19207-19213	13	87

4 <sup>19</sup>	Progress towards processible materials for light-emitting devices using poly(p-phenylphenylenevinylene). <i>Advanced Materials</i> , <b>1992</b> , 4, 661-662	24	86
4 <sup>18</sup>	Electron-Beam-Evaporated Nickel Oxide Hole Transport Layers for Perovskite-Based Photovoltaics. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1802995	21.8	86
4 <sup>17</sup>	In Situ X-Ray Study of Drying-Temperature Influence on the Structural Evolution of Bulk-Heterojunction Polymer/Bullerene Solar Cells Processed by Doctor-Blading. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 363-367	21.8	84
4 <sup>16</sup>	Ultrafast carrier trapping in microcrystalline silicon observed in optical pump-probe measurements. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 1291-1293	3.4	84
4 <sup>15</sup>	Inkjet-Printed Micrometer-Thick Perovskite Solar Cells with Large Columnar Grains. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1903184	21.8	84
4 <sup>14</sup>	Microcavity effects in a spin-coated polymer two-layer system. <i>Applied Physics Letters</i> , <b>1995</b> , 66, 1301-1303	3.4	83
4 <sup>13</sup>	Improved organic semiconductor lasers based on a mixed-order distributed feedback resonator design. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 131104	3.4	82
4 <sup>12</sup>	A Low Threshold Polymer Laser Based on Metallic Nanoparticle Gratings. <i>Advanced Materials</i> , <b>2003</b> , 15, 1726-1729	24	82
4 <sup>11</sup>	Plastic lab-on-a-chip for fluorescence excitation with integrated organic semiconductor lasers. <i>Optics Express</i> , <b>2011</b> , 19, 8179-86	3.3	78
4 <sup>10</sup>	Colloidally stable silicon nanocrystals with near-infrared photoluminescence for biological fluorescence imaging. <i>Small</i> , <b>2011</b> , 7, 2507-16	11	77
4 <sup>09</sup>	Low-threshold polymeric distributed feedback lasers with metallic contacts. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 3262-3264	3.4	76
4 <sup>08</sup>	Field-induced exciton breaking in conjugated polymers. <i>Physical Review B</i> , <b>1995</b> , 52, 4932-4940	3.3	75
4 <sup>07</sup>	Bioinspired phase-separated disordered nanostructures for thin photovoltaic absorbers. <i>Science Advances</i> , <b>2017</b> , 3, e1700232	14.3	74
4 <sup>06</sup>	Continuous wave amplified spontaneous emission in phase-stable lead halide perovskites. <i>Nature Communications</i> , <b>2019</b> , 10, 988	17.4	73
4 <sup>05</sup>	High Efficiency Perovskite-Silicon Tandem Solar Cells: Effect of Surface Coating versus Bulk Incorporation of 2D Perovskite. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1903553	21.8	73
4 <sup>04</sup>	The compromises of printing organic electronics: a case study of gravure-printed light-emitting electrochemical cells. <i>Advanced Materials</i> , <b>2014</b> , 26, 3235-40	24	72
4 <sup>03</sup>	Low threshold blue conjugated polymer lasers with first- and second-order distributed feedback. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 201108	3.4	72
4 <sup>02</sup>	Rheological and Drying Considerations for Uniformly Gravure-Printed Layers: Towards Large-Area Flexible Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 3164-3171	15.6	71

401	In situ monitoring the drying kinetics of knife coated polymer-fullerene films for organic solar cells. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 124501	2.5	71
400	Precursor states for charge carrier generation in conjugated polymers probed by ultrafast spectroscopy. <i>Physical Review Letters</i> , <b>2002</b> , 88, 147401	7.4	71
399	Effect of Photovoltaic Polymer/Fullerene Blend Composition Ratio on Microstructure Evolution during Film Solidification Investigated in Real Time by X-ray Diffraction. <i>Macromolecules</i> , <b>2011</b> , 44, 3795-3800	5.5	70
398	Continuously tunable solution-processed organic semiconductor DFB lasers pumped by laser diode. <i>Optics Express</i> , <b>2012</b> , 20, 6357-64	3.3	70
397	Organic tandem solar cells comprising polymer and small-molecule subcells. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 203506	3.4	70
396	Polymeric anodes from poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) for 3.5% efficient organic solar cells. <i>Thin Solid Films</i> , <b>2009</b> , 517, 5900-5902	2.2	69
395	Femtosecond dynamics of stimulated emission and photoinduced absorption in a PPP-type ladder polymer. <i>Chemical Physics Letters</i> , <b>1995</b> , 244, 171-176	2.5	68
394	2D/3D Heterostructure for Semitransparent Perovskite Solar Cells with Engineered Bandgap Enables Efficiencies Exceeding 25% in Four-Terminal Tandems with Silicon and CIGS. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1909919	15.6	67
393	Highly stable solution processed metal-halide perovskite lasers on nanoimprinted distributed feedback structures. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 141106	3.4	66
392	Investigation of non-halogenated solvent mixtures for high throughput fabrication of polymerfullerene solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2012</b> , 96, 195-201	6.4	65
391	Low-threshold conical microcavity dye lasers. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 063304	3.4	61
390	Inverted Semi-transparent Polymer Solar Cells with Transparency Color Rendering Indices approaching 100. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 386-390	21.8	60
389	N-Fused quinoxalines and benzoquinoxalines as attractive emitters for organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 5718	7.1	59
388	Soluble diazaptycenes: materials for solution-processed organic electronics. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 582-9	4.2	57
387	Temperature Variation-Induced Performance Decline of Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 16390-16399	9.5	57
386	Low-cost label-free biosensors using photonic crystals embedded between crossed polarizers. <i>Optics Express</i> , <b>2010</b> , 18, 19120-8	3.3	57
385	Mesoscale optical properties of conjugated polymers probed by near-field scanning optical microscopy. <i>Chemical Physics Letters</i> , <b>1997</b> , 277, 532-538	2.5	57
384	Picosecond hopping relaxation in conjugated polymers. <i>Chemical Physics Letters</i> , <b>1993</b> , 209, 243-246	2.5	57

383	Tungsten oxide buffer layers fabricated in an inert sol-gel process at room-temperature for blue organic light-emitting diodes. <i>Advanced Materials</i> , <b>2013</b> , 25, 4113-6	24	56
382	Solution-processed polymer/silver nanowire top electrodes for inverted semi-transparent solar cells. <i>Organic Electronics</i> , <b>2013</b> , 14, 273-277	3.5	56
381	Two birds with one stone: dual grain-boundary and interface passivation enables >22% efficient inverted methylammonium-free perovskite solar cells. <i>Energy and Environmental Science</i> ,	35.4	56
380	Inverted semi-transparent organic solar cells with spray coated, surfactant free polymer top-electrodes. <i>Solar Energy Materials and Solar Cells</i> , <b>2012</b> , 98, 118-123	6.4	55
379	Continuous-wave solid-state dye laser. <i>Optics Letters</i> , <b>2006</b> , 31, 1669-71	3	55
378	Color-Selective Printed Organic Photodiodes for Filterless Multichannel Visible Light Communication. <i>Advanced Materials</i> , <b>2020</b> , 32, e1908258	24	54
377	Ultrafast intramolecular energy transfer in single conjugated polymer chains probed by polarized single chromophore spectroscopy. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 1183-1185	3.4	53
376	Gravure printed flexible small-molecule organic light emitting diodes. <i>Organic Electronics</i> , <b>2013</b> , 14, 3493-3499	3.3	52
375	Investigation of solution-processed ultrathin electron injection layers for organic light-emitting diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 6616-22	9.5	51
374	Plasma patterning of Poly(3,4-ethylenedioxythiophene):Poly(styrenesulfonate) anodes for efficient polymer solar cells. <i>Thin Solid Films</i> , <b>2009</b> , 517, 1750-1752	2.2	51
373	Inkjet-printed perovskite distributed feedback lasers. <i>Optics Express</i> , <b>2018</b> , 26, A144-A152	3.3	50
372	Tailored highly transparent composite hole-injection layer consisting of PEDOT:PSS and SiO2 nanoparticles for efficient polymer light-emitting diodes. <i>Advanced Materials</i> , <b>2011</b> , 23, 740-5	24	49
371	Large-scale patterning of indium tin oxide electrodes for guided mode extraction from organic light-emitting diodes. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 093111	2.5	49
370	Compact spectroscopy system based on tunable organic semiconductor lasers. <i>Applied Physics B: Lasers and Optics</i> , <b>2010</b> , 99, 47-51	1.9	47
369	Dynamic characterization of organic bulk heterojunction photodetectors. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 071118	3.4	47
368	Electroluminescence from poly(phenylene vinylene) in a planar metal-polymer-metal structure. <i>Applied Physics Letters</i> , <b>1996</b> , 68, 3007-3009	3.4	47
367	Flexible Inkjet-Printed Triple Cation Perovskite X-ray Detectors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 15774-15784	9.5	46
366	The Role of Nanotubes in Carbon Nanotube/Silicon Solar Cells. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 1091-1097	10.87	46

365	Nanosecond response of organic solar cells and photodetectors. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 104513	2.5	46
364	Laser modes in organic solid-state distributed feedback lasers. <i>Applied Physics B: Lasers and Optics</i> , <b>2000</b> , 71, 897-900	1.9	46
363	Solution processed small molecule organic interfacial layers for low dark current polymer photodiodes. <i>Organic Electronics</i> , <b>2012</b> , 13, 2727-2732	3.5	45
362	Nonlinear emission and recombination in conjugated polymer waveguides. <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 1124-1130	2.5	45
361	Energy yield modelling of perovskite/silicon two-terminal tandem PV modules with flat and textured interfaces. <i>Sustainable Energy and Fuels</i> , <b>2018</b> , 2, 2754-2761	5.8	45
360	Molybdenum oxide anode buffer layers for solution processed, blue phosphorescent small molecule organic light emitting diodes. <i>Organic Electronics</i> , <b>2013</b> , 14, 1820-1824	3.5	44
359	Deep blue organic light-emitting diodes based on triphenylenes. <i>Synthetic Metals</i> , <b>2010</b> , 160, 691-700	3.6	44
358	Integration of organic semiconductor lasers and single-mode passive waveguides into a PMMA substrate. <i>Microelectronic Engineering</i> , <b>2010</b> , 87, 693-695	2.5	44
357	Microplanar polymer light-emitting diodes. <i>Synthetic Metals</i> , <b>1997</b> , 85, 1233-1234	3.6	44
356	A simple tracking system to monitor solar PV panels. <i>Energy Conversion and Management</i> , <b>2014</b> , 78, 872-875	3.5	43
355	Charge generation layers for solution processed tandem organic light emitting diodes with regular device architecture. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 8132-7	9.5	42
354	Understanding the effect of solvent vapor annealing on solution-processed AD $\pi$ oligothiophene bulk-heterojunction solar cells: the role of alkyl side chains. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 2571-2580	13	42
353	A continuously tunable low-threshold organic semiconductor distributed feedback laser fabricated by rotating shadow mask evaporation. <i>Applied Physics B: Lasers and Optics</i> , <b>2009</b> , 97, 787-791	1.9	42
352	Optimized Design of Plasmonic MSM Photodetector. <i>IEEE Journal of Quantum Electronics</i> , <b>2007</b> , 43, 855-859	3.5	42
351	Flower Power: Exploiting Plants' Epidermal Structures for Enhanced Light Harvesting in Thin-Film Solar Cells. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1487-1493	8.1	42
350	Investigation of formamidinium and guanidinium lead tri-iodide powders as precursors for solar cells. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2016</b> , 204, 27-33 <sup>3,1</sup>	3.1	40
349	Aerosol-Jet Printed Flexible Organic Photodiodes: Semi-Transparent, Color Neutral, and Highly Efficient. <i>Advanced Electronic Materials</i> , <b>2015</b> , 1, 1500101	6.4	39
348	Energy transfer in molecularly doped conjugated polymers. <i>Synthetic Metals</i> , <b>1996</b> , 78, 289-293	3.6	39

347	CELES: CUDA-accelerated simulation of electromagnetic scattering by large ensembles of spheres. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2017</b> , 199, 103-110	2.1	38
346	Influence of the Emission Layer Thickness on the Optoelectronic Properties of Solution Processed Organic Light-Emitting Diodes. <i>ACS Photonics</i> , <b>2014</b> , 1, 968-973	6.3	38
345	Coupled nanoantenna plasmon resonance spectra from two-photon laser excitation. <i>Nano Letters</i> , <b>2010</b> , 10, 4161-5	11.5	38
344	All-polymer organic semiconductor laser chips: parallel fabrication and encapsulation. <i>Optics Express</i> , <b>2010</b> , 18, 24881-7	3.3	38
343	Inverted organic solar cells comprising a solution-processed cesium fluoride interlayer. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 053303	3.4	38
342	Laser Diode-Pumped Organic Semiconductor Lasers Utilizing Two-Dimensional Photonic Crystal Resonators. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 741-743	2.2	38
341	Exciton dissociation dynamics in a conjugated polymer containing aggregate states. <i>Chemical Physics Letters</i> , <b>2002</b> , 351, 354-358	2.5	38
340	Fabrication of hierarchical photonic nanostructures inspired by Morpho butterflies utilizing laser interference lithography. <i>Optical Materials Express</i> , <b>2015</b> , 5, 996	2.6	37
339	Organic solar cells incorporating buffer layers from indium doped zinc oxide nanoparticles. <i>Solar Energy Materials and Solar Cells</i> , <b>2011</b> , 95, 579-585	6.4	37
338	Formation and impact of hot spots on the performance of organic photovoltaic cells. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 043304	3.4	37
337	Large-Area Screen-Printed Internal Extraction Layers for Organic Light-Emitting Diodes. <i>ACS Photonics</i> , <b>2017</b> , 4, 928-933	6.3	36
336	Methodology of energy yield modelling of perovskite-based multi-junction photovoltaics. <i>Optics Express</i> , <b>2019</b> , 27, A507-A523	3.3	36
335	Vacuum-Assisted Growth of Low-Bandgap Thin Films (FA0.8MA0.2Sn0.5Pb0.5I3) for All-Perovskite Tandem Solar Cells. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1902583	21.8	36
334	Nanosecond response of organic solar cells and photodiodes: Role of trap states. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	35
333	Cathodes comprising highly conductive poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) for semi-transparent polymer solar cells. <i>Organic Electronics</i> , <b>2010</b> , 11, 535-538	3.5	35
332	Time-resolved luminescence study of self-trapped-exciton relaxation in quasi-one-dimensional halogen-bridged mixed-valence metal complexes. <i>Physical Review B</i> , <b>1995</b> , 52, 8276-8282	3.3	35
331	Tailored surface-enhanced Raman nanopillar arrays fabricated by laser-assisted replication for biomolecular detection using organic semiconductor lasers. <i>ACS Nano</i> , <b>2015</b> , 9, 260-70	16.7	34
330	Spatial mapping of photocurrents in organic solar cells comprising wedge-shaped absorber layers for an efficient material screening. <i>Solar Energy Materials and Solar Cells</i> , <b>2012</b> , 104, 18-22	6.4	34



329	Enhancing outcoupling efficiency of indium-tin-oxide-free organic light-emitting diodes via nanostructured high index layers. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 243302	3-4	34
328	Intermediate high index layer for laser mode tuning in organic semiconductor lasers. <i>Optics Express</i> , <b>2010</b> , 18, 5890-5	3-3	34
327	Degradation Mechanisms in Organic Light-Emitting Diodes with Polyethylenimine as a Solution-Processed Electron Injection Layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 2776-2785	9-5	33
326	Aerosol jet printed top grids for organic optoelectronic devices. <i>Organic Electronics</i> , <b>2014</b> , 15, 2135-2140	3-5	33
325	Laser speckle reduction via colloidal-dispersion-filled projection screens. <i>Applied Optics</i> , <b>2009</b> , 48, 3742-9	3-2	33
324	Revealing the Electron-Phonon Coupling in a Conjugated Polymer by Single-Molecule Spectroscopy. <i>Advanced Materials</i> , <b>2007</b> , 19, 1978-1982	24	33
323	Polarized photoluminescence of oligothiophenes in nematic liquid crystalline matrices. <i>Advanced Materials</i> , <b>1996</b> , 8, 651-654	24	33
322	Hot carrier relaxation in InP and GaAs on a subpicosecond time scale. <i>Solid-State Electronics</i> , <b>1989</b> , 32, 1591-1595	1-7	33
321	Fully printed origami thermoelectric generators for energy-harvesting. <i>Npj Flexible Electronics</i> , <b>2021</b> , 5,	10-7	33
320	Texture of the Viola Flower for Light Harvesting in Photovoltaics. <i>ACS Photonics</i> , <b>2017</b> , 4, 2687-2692	6-3	32
319	Highly Efficient and Water-Stable Lead Halide Perovskite Quantum Dots Using Superhydrophobic Aerogel Inorganic Matrix for White Light-Emitting Diodes. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 1900941	6-8	32
318	Linear and nonlinear optical characterization of aluminum nanoantennas. <i>Nano Letters</i> , <b>2013</b> , 13, 1535-40	1-5	32
317	Field-induced exciton dissociation in PTB7-based organic solar cells. <i>Physical Review B</i> , <b>2017</b> , 95,	3-3	32
316	Organic semiconductor distributed feedback (DFB) laser as excitation source in Raman spectroscopy. <i>Optics Express</i> , <b>2013</b> , 21, 28941-7	3-3	32
315	Fully Digitally Printed Image Sensor Based on Organic Photodiodes. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1701108	8-1	31
314	Single-mode biological distributed feedback laser. <i>Lab on A Chip</i> , <b>2013</b> , 13, 2675-8	7-2	31
313	Temperature- and Energy-Dependent Separation of Charge-Transfer States in PTB7-Based Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 28309-28318	3-8	31
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311	Nanostructuring of organic-inorganic hybrid materials for distributed feedback laser resonators by two-photon polymerization. <i>Optics Express</i> , <b>2009</b> , 17, 2500-7	3.3	31
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168	Investigations of singlet and triplet diffusion in thermally activated delayed-fluorescence emitters: Implications for hyperfluorescence. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	10

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65	Superresolution optical fluctuation imaging (SOFI) aided nanomanipulation of quantum dots using AFM for novel artificial arrangements of chemically functionalized colloidal quantum dots and plasmonic structures <b>2014</b> ,		2
64	On-chip integrated lasers for biophotonic applications <b>2012</b> ,		2
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36	Nano-structured metallic electrodes for plasmonic optimized light-emitting diodes <b>2008</b> ,		1
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34	Influence of electronic properties on the threshold behaviour of organic laser diode structures <b>2006</b> ,		1
33	Numerical study of annihilation processes in electrically pumped organic semiconductor laser diodes <b>2006</b> ,		1
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20	Stable Perovskite Solar Cell Architectures: Robustness against Temperature Variations Under Real World Conditions <b>2018</b> ,		1
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