

Richard Friend

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/749036/richard-friend-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

686

papers

118,633

citations

159

h-index

332

g-index

730

ext. papers

128,555

ext. citations

13.1

avg, IF

8.3

L-index

#	Paper	IF	Citations
686	Insights into the Structure and Self-Assembly of Organic-Semiconductor/Quantum-Dot Blends. <i>Advanced Functional Materials</i> , 2022 , 32, 2109252	15.6	2
685	Singlet and triplet to doublet energy transfer: improving organic light-emitting diodes with radicals.. <i>Nature Communications</i> , 2022 , 13, 2744	17.4	3
684	Spontaneous exciton dissociation enables spin state interconversion in delayed fluorescence organic semiconductors. <i>Nature Communications</i> , 2021 , 12, 6640	17.4	5
683	Microcavity-like exciton-polaritons can be the primary photoexcitation in bare organic semiconductors. <i>Nature Communications</i> , 2021 , 12, 6519	17.4	5
682	Degradation mechanisms of perovskite solar cells under vacuum and one atmosphere of nitrogen. <i>Nature Energy</i> , 2021 , 6, 977-986	62.3	17
681	Direct Probing of Gap States and Their Passivation in Halide Perovskites by High-Sensitivity, Variable Energy Ultraviolet Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 5217-5225	28.4	4
680	Singlet exciton fission in a modified acene with improved stability and high photoluminescence yield. <i>Nature Communications</i> , 2021 , 12, 1527	17.4	10
679	Ligand-engineered bandgap stability in mixed-halide perovskite LEDs. <i>Nature</i> , 2021 , 591, 72-77	50.4	172
678	Highly Absorbing Lead-Free Semiconductor CuAgBiI for Photovoltaic Applications from the Quaternary CuI-AgI-BiI Phase Space. <i>Journal of the American Chemical Society</i> , 2021 , 143, 3983-3992	16.4	16
677	Efficient Energy Funneling in Spatially Tailored Segmented Conjugated Block Copolymer Nanofiber-Quantum Dot or Rod Conjugates. <i>Journal of the American Chemical Society</i> , 2021 , 143, 7032-7041	16.4	14
676	Charge Carrier Localization in Doped Perovskite Nanocrystals Enhances Radiative Recombination. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8647-8653	16.4	17
675	Electrically Induced Mixed Valence Increases the Conductivity of Copper Helical Metallopolymers. <i>Advanced Materials</i> , 2021 , 33, e2100403	24	5
674	Impact of Orientational Glass Formation and Local Strain on Photo-Induced Halide Segregation in Hybrid Metal-Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 15025-15034	3.8	4
673	Tailored Local Bandgap Modulation as a Strategy to Maximize Luminescence Yields in Mixed-Halide Perovskites. <i>Advanced Optical Materials</i> , 2021 , 9, 2100635	8.1	4
672	Beyond 17% stable perovskite solar module via polaron arrangement of tuned polymeric hole transport layer. <i>Nano Energy</i> , 2021 , 82, 105685	17.1	15
671	The Path to 20% Power Conversion Efficiencies in Nonfullerene Acceptor Organic Solar Cells. <i>Advanced Energy Materials</i> , 2021 , 11, 2003441	21.8	53
670	Metal halide perovskites for light-emitting diodes. <i>Nature Materials</i> , 2021 , 20, 10-21	27	322

669	Suppressing aggregation induced quenching in anthracene based conjugated polymers. <i>Polymer Chemistry</i> , 2021 , 12, 1830-1836	4.9	6
668	Comprehensive defect suppression in perovskite nanocrystals for high-efficiency light-emitting diodes. <i>Nature Photonics</i> , 2021 , 15, 148-155	33.9	257
667	Mixed halide perovskites for spectrally stable and high-efficiency blue light-emitting diodes. <i>Nature Communications</i> , 2021 , 12, 361	17.4	119
666	Thickness-Attuned CsPbBr Nanosheets with Enhanced π -Type Field Effect Mobility. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 1560-1566	6.4	6
665	Efficient energy transport in an organic semiconductor mediated by transient exciton delocalization. <i>Science Advances</i> , 2021 , 7,	14.3	20
664	Efficient and Spectrally Stable Blue Perovskite Light-Emitting Diodes Employing a Cationic π Conjugated Polymer. <i>Advanced Materials</i> , 2021 , 33, e2103640	24	18
663	The role of charge recombination to triplet excitons in organic solar cells. <i>Nature</i> , 2021 , 597, 666-671	50.4	48
662	Novel optoelectronic technique for direct tracking of ultrafast triplet excitons in polymeric semiconductor. <i>Applied Physics Reviews</i> , 2021 , 8, 031415	17.3	3
661	Role of Morphology and Förster Resonance Energy Transfer in Ternary Blend Organic Solar Cells. <i>ACS Applied Energy Materials</i> , 2020 , 3, 12025-12036	6.1	8
660	Long-lived and disorder-free charge transfer states enable endothermic charge separation in efficient non-fullerene organic solar cells. <i>Nature Communications</i> , 2020 , 11, 5617	17.4	38
659	Graphene-passivated nickel as an efficient hole-injecting electrode for large area organic semiconductor devices. <i>Applied Physics Letters</i> , 2020 , 116, 163301	3.4	2
658	Deciphering exciton-generation processes in quantum-dot electroluminescence. <i>Nature Communications</i> , 2020 , 11, 2309	17.4	42
657	Stable Hexylphosphonate-Capped Blue-Emitting Quantum-Confined CsPbBr Nanoplatelets. <i>ACS Energy Letters</i> , 2020 , 5, 1900-1907	20.1	38
656	Circularly Polarized Photoluminescence from Chiral Perovskite Thin Films at Room Temperature. <i>ACS Nano</i> , 2020 , 14, 7610-7616	16.7	44
655	Understanding the luminescent nature of organic radicals for efficient doublet emitters and pure-red light-emitting diodes. <i>Nature Materials</i> , 2020 , 19, 1224-1229	27	57
654	Highly efficient luminescence from space-confined charge-transfer emitters. <i>Nature Materials</i> , 2020 , 19, 1332-1338	27	182
653	Polymer Light Emitting Diodes with Doublet Emission. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 5638-5642	6.4	6
652	How Exciton Interactions Control Spin-Depolarization in Layered Hybrid Perovskites. <i>Nano Letters</i> , 2020 , 20, 5678-5685	11.5	9

651	Unifying Charge Generation, Recombination, and Extraction in Low-Offset Non-Fullerene Acceptor Organic Solar Cells. <i>Advanced Energy Materials</i> , 2020 , 10, 2001203	21.8	46
650	Femtosecond Transient Absorption Microscopy of Singlet Exciton Motion in Side-Chain Engineered Perylene-Diimide Thin Films. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 2721-2730	2.8	10
649	Femtosecond visualization of oxygen vacancies in metal oxides. <i>Science Advances</i> , 2020 , 6, eaax9427	14.3	20
648	Proton-transfer-induced 3D/2D hybrid perovskites suppress ion migration and reduce luminance overshoot. <i>Nature Communications</i> , 2020 , 11, 3378	17.4	51
647	Perovskite-molecule composite thin films for efficient and stable light-emitting diodes. <i>Nature Communications</i> , 2020 , 11, 891	17.4	52
646	The role of photon recycling in perovskite light-emitting diodes. <i>Nature Communications</i> , 2020 , 11, 611	17.4	71
645	A general approach for hysteresis-free, operationally stable metal halide perovskite field-effect transistors. <i>Science Advances</i> , 2020 , 6, eaaz4948	14.3	73
644	Halide Homogenization for High-Performance Blue Perovskite Electroluminescence. <i>Research</i> , 2020 , 2020, 9017871	7.8	20
643	Photodoping through local charge carrier accumulation in alloyed hybrid perovskites for highly efficient luminescence. <i>Nature Photonics</i> , 2020 , 14, 123-128	33.9	60
642	Molecular aggregation method for perovskite/fullerene bulk heterostructure solar cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 1326-1334	13	12
641	New Strategies for Defect Passivation in High-Efficiency Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2020 , 10, 1903090	21.8	152
640	Dark Subgap States in Metal-Halide Perovskites Revealed by Coherent Multidimensional Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020 , 142, 777-782	16.4	12
639	Bandgap lowering in mixed alloys of Cs ₂ Ag(SbxBi _{1-x})Br ₆ double perovskite thin films. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 21780-21788	13	26
638	Efficient light-emitting diodes from mixed-dimensional perovskites on a fluoride interface. <i>Nature Electronics</i> , 2020 , 3, 704-710	28.4	67
637	Optical and Electronic Properties of Colloidal CdSe Quantum Rings. <i>ACS Nano</i> , 2020 , 14, 14740-14760	16.7	3
636	Critical Assessment of the Use of Excess Lead Iodide in Lead Halide Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6505-6512	6.4	46
635	Minimizing the Trade-Off between Photocurrent and Photovoltage in Triple-Cation Mixed-Halide Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 10188-10195	6.4	20
634	Elucidating and Mitigating Degradation Processes in Perovskite Light-Emitting Diodes. <i>Advanced Energy Materials</i> , 2020 , 10, 2002676	21.8	16

633	Controlling the structures of organic semiconductor-quantum dot nanocomposites through ligand shell chemistry. <i>Soft Matter</i> , 2020 , 16, 7970-7981	3.6	1
632	Fast spin-flip enables efficient and stable organic electroluminescence from charge-transfer states. <i>Nature Photonics</i> , 2020 , 14, 636-642	33.9	154
631	Impact of exciton delocalization on exciton-vibration interactions in organic semiconductors. <i>Physical Review B</i> , 2020 , 102,	3.3	13
630	The role of bulk and interfacial morphology in charge generation, recombination, and extraction in non-fullerene acceptor organic solar cells. <i>Energy and Environmental Science</i> , 2020 , 13, 3679-3692	35.4	68
629	Wavelength-Dependent Charge Carrier Dynamics for Single Pixel Color Sensing Using Graded Perovskite Structures. <i>Nano Letters</i> , 2019 , 19, 6577-6584	11.5	7
628	Perylene-Based Covalent Organic Frameworks for Acid Vapor Sensing. <i>Journal of the American Chemical Society</i> , 2019 , 141, 15693-15699	16.4	110
627	Lattice strain causes non-radiative losses in halide perovskites. <i>Energy and Environmental Science</i> , 2019 , 12, 596-606	35.4	211
626	Efficient and Tunable Electroluminescence from In Situ Synthesized Perovskite Quantum Dots. <i>Small</i> , 2019 , 15, e1804947	11	17
625	Excimer Formation in Carboxylic Acid-Functionalized Perylene Diimides Attached to Silicon Dioxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 3433-3440	3.8	14
624	Excited-State Dynamics in Fully Conjugated 2D Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11565-11571	16.4	55
623	Triple-Cation-Based Perovskite Photocathodes with AZO Protective Layer for Hydrogen Production Applications. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 23198-23206	9.5	37
622	Red-shifted delayed fluorescence at the expense of photoluminescence quantum efficiency - an intramolecular charge-transfer molecule based on a benzodithiophene-4,8-dione acceptor. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 10580-10586	3.6	10
621	Inter-ligand energy transfer in dye chromophores attached to high bandgap SiO nanoparticles. <i>Chemical Communications</i> , 2019 , 55, 8804-8807	5.8	4
620	Long-Range Charge Extraction in Back-Contact Perovskite Architectures via Suppressed Recombination. <i>Joule</i> , 2019 , 3, 1301-1313	27.8	50
619	Identifying and Reducing Interfacial Losses to Enhance Color-Pure Electroluminescence in Blue-Emitting Perovskite Nanoplatelet Light-Emitting Diodes. <i>ACS Energy Letters</i> , 2019 , 4, 1181-1188	20.1	80
618	Perovskites for Next-Generation Optical Sources. <i>Chemical Reviews</i> , 2019 , 119, 7444-7477	68.1	391
617	Efficient Ruddlesden-Popper Perovskite Light-Emitting Diodes with Randomly Oriented Nanocrystals. <i>Advanced Functional Materials</i> , 2019 , 29, 1901225	15.6	70
616	Efficient blue light-emitting diodes based on quantum-confined bromide perovskite nanostructures. <i>Nature Photonics</i> , 2019 , 13, 760-764	33.9	313

615	Visualizing the Vertical Energetic Landscape in Organic Photovoltaics. <i>Joule</i> , 2019 , 3, 2513-2534	27.8	16
614	Exploiting Excited-State Aromaticity To Design Highly Stable Singlet Fission Materials. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13867-13876	16.4	55
613	High stability and luminescence efficiency in donor-acceptor neutral radicals not following the Aufbau principle. <i>Nature Materials</i> , 2019 , 18, 977-984	27	80
612	Ligand Shell Structure in Lead Sulfide-Oleic Acid Colloidal Quantum Dots Revealed by Small-Angle Scattering. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 4713-4719	6.4	22
611	Scan Strategies for Electron Energy Loss Spectroscopy at Optical and Vibrational Energies in Perylene Diimide Nanobelts. <i>Microscopy and Microanalysis</i> , 2019 , 25, 1738-1739	0.5	0
610	Sequentially Deposited versus Conventional Nonfullerene Organic Solar Cells: Interfacial Trap States, Vertical Stratification, and Exciton Dissociation. <i>Advanced Energy Materials</i> , 2019 , 9, 1902145	21.8	22
609	Singlet exciton fission via an intermolecular charge transfer state in coevaporated pentacene-perfluoropentacene thin films. <i>Journal of Chemical Physics</i> , 2019 , 151, 164706	3.9	16
608	A Highly Emissive Surface Layer in Mixed-Halide Multication Perovskites. <i>Advanced Materials</i> , 2019 , 31, e1902374	24	39
607	Back-Contact Perovskite Solar Cells 2019 , 1, 1-10		4
606	Perovskite LEDs 2019 , 1, 1-5		3
605	Charge extraction via graded doping of hole transport layers gives highly luminescent and stable metal halide perovskite devices. <i>Science Advances</i> , 2019 , 5, eaav2012	14.3	85
604	The Physics of Light Emission in Halide Perovskite Devices. <i>Advanced Materials</i> , 2019 , 31, e1803336	24	137
603	Facile Synthesis of Stable and Highly Luminescent Methylammonium Lead Halide Nanocrystals for Efficient Light Emitting Devices. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1269-1279	16.4	83
602	Extrinsic Electron Concentration in SnO ₂ Electron Extracting Contact in Lead Halide Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1801788	4.6	20
601	High-Efficiency Polycrystalline Perovskite Light-Emitting Diodes Based on Mixed Cations. <i>ACS Nano</i> , 2018 , 12, 2883-2892	16.7	84
600	Degradation Kinetics of Inverted Perovskite Solar Cells. <i>Scientific Reports</i> , 2018 , 8, 5977	4.9	39
599	Control of Geminate Recombination by the Material Composition and Processing Conditions in Novel Polymer: Nonfullerene Acceptor Photovoltaic Devices. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 1253-1260	2.8	9
598	Room temperature magneto-optic effect in silicon light-emitting diodes. <i>Nature Communications</i> , 2018 , 9, 398	17.4	2

597	Energy Landscape of Vertically Anisotropic Polymer Blend Films toward Highly Efficient Polymer Light-Emitting Diodes (PLEDs). <i>Advanced Functional Materials</i> , 2018 , 28, 1705903	15.6	3
596	Minimising efficiency roll-off in high-brightness perovskite light-emitting diodes. <i>Nature Communications</i> , 2018 , 9, 608	17.4	248
595	Order enables efficient electron-hole separation at an organic heterojunction with a small energy loss. <i>Nature Communications</i> , 2018 , 9, 277	17.4	87
594	Organic solar cells based on non-fullerene acceptors. <i>Nature Materials</i> , 2018 , 17, 119-128	27	1743
593	In situ simultaneous photovoltaic and structural evolution of perovskite solar cells during film formation. <i>Energy and Environmental Science</i> , 2018 , 11, 383-393	35.4	67
592	Stable Light-Emitting Diodes Using Phase-Pure Ruddlesden-Popper Layered Perovskites. <i>Advanced Materials</i> , 2018 , 30, 1704217	24	210
591	Interface-Dependent Radiative and Nonradiative Recombination in Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 10691-10698	3.8	34
590	Site-selective measurement of coupled spin pairs in an organic semiconductor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 5077-5082	11.5	23
589	Ultrafast endothermic transfer of non-radiative exciplex state to radiative excitons in polyfluorene random copolymer for blue electroluminescence. <i>Applied Physics Letters</i> , 2018 , 112, 163301	3.4	7
588	Growth of Nanosized Single Crystals for Efficient Perovskite Light-Emitting Diodes. <i>ACS Nano</i> , 2018 , 12, 3417-3423	16.7	88
587	Ultrafast Dynamics of Polariton Cooling and Renormalization in an Organic Single-Crystal Microcavity under Nonresonant Pumping. <i>ACS Photonics</i> , 2018 , 5, 2182-2188	6.3	14
586	Maximizing and stabilizing luminescence from halide perovskites with potassium passivation. <i>Nature</i> , 2018 , 555, 497-501	50.4	975
585	Understanding Energy Loss in Organic Solar Cells: Toward a New Efficiency Regime. <i>Joule</i> , 2018 , 2, 25-35	27.8	319
584	Scalable Triple Cation Mixed Halide Perovskite/BiVO ₄ Tandems for Bias-Free Water Splitting. <i>Advanced Energy Materials</i> , 2018 , 8, 1801403	21.8	93
583	Electroluminescence from Solution-Processed Pinhole-Free Nanometer-Thickness Layers of Conjugated Polymers. <i>Nano Letters</i> , 2018 , 18, 5382-5388	11.5	2
582	Unraveling Mechanisms of Chiral Induction in Double-Helical Metallopolymers. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10344-10353	16.4	45
581	Förster Resonance Energy Transfer Drives Higher Efficiency in Ternary Blend Organic Solar Cells. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4874-4882	6.1	27
580	FRET-mediated near infrared whispering gallery modes: studies on the relevance of intracavity energy transfer with Q-factors. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 270-274	7.8	20

579	Fine-Tuning the Energy Levels of a Nonfullerene Small-Molecule Acceptor to Achieve a High Short-Circuit Current and a Power Conversion Efficiency over 12% in Organic Solar Cells. <i>Advanced Materials</i> , 2018 , 30, 1704904	24	190
578	Highly Efficient Energy Transfer in Light Emissive Poly(9,9-dioctylfluorene) and Poly(p-phenylenevinylene) Blend System. <i>ACS Photonics</i> , 2018 , 5, 607-613	6.3	9
577	In Situ Atmospheric Deposition of Ultrasoother Nickel Oxide for Efficient Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41849-41854	9.5	29
576	Efficient radical-based light-emitting diodes with doublet emission. <i>Nature</i> , 2018 , 563, 536-540	50.4	265
575	High-efficiency perovskite-polymer bulk heterostructure light-emitting diodes. <i>Nature Photonics</i> , 2018 , 12, 783-789	33.9	511
574	Negative Correlation between Intermolecular vs Intramolecular Disorder in Bulk-Heterojunction Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 44576-44582	9.5	14
573	Control of Interface Defects for Efficient and Stable Quasi-2D Perovskite Light-Emitting Diodes Using Nickel Oxide Hole Injection Layer. <i>Advanced Science</i> , 2018 , 5, 1801350	13.6	62
572	Potassium- and Rubidium-Passivated Alloyed Perovskite Films: Optoelectronic Properties and Moisture Stability. <i>ACS Energy Letters</i> , 2018 , 3, 2671-2678	20.1	88
571	Efficient Nonfullerene Organic Solar Cells with Small Driving Forces for Both Hole and Electron Transfer. <i>Advanced Materials</i> , 2018 , 30, e1804215	24	116
570	Direct Bandgap Behavior in Rashba-Type Metal Halide Perovskites. <i>Advanced Materials</i> , 2018 , 30, e1803379	17.9	16
569	Opportunities and Challenges in Perovskite Light-Emitting Devices. <i>ACS Photonics</i> , 2018 , 5, 3866-3875	6.3	102
568	Solvatochromic covalent organic frameworks. <i>Nature Communications</i> , 2018 , 9, 3802	17.4	100
567	Vertical Cavity Biexciton Lasing in 2D Dodecylammonium Lead Iodide Perovskites. <i>Advanced Optical Materials</i> , 2018 , 6, 1800616	8.1	27
566	Efficient non-fullerene organic solar cells employing sequentially deposited donor-acceptor layers. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18225-18233	13	36
565	Conjugated Polyelectrolytes as Efficient Hole Transport Layers in Perovskite Light-Emitting Diodes. <i>ACS Nano</i> , 2018 , 12, 5826-5833	16.7	38
564	Fundamental Carrier Lifetime Exceeding 1 μ s in Cs ₂ AgBiBr ₆ Double Perovskite. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800464	4.6	114
563	Long-range exciton transport in conjugated polymer nanofibers prepared by seeded growth. <i>Science</i> , 2018 , 360, 897-900	33.3	175
562	Enhanced photovoltage for inverted planar heterojunction perovskite solar cells. <i>Science</i> , 2018 , 360, 1442-1446	33.3	915

561	Vibrationally Assisted Intersystem Crossing in Benchmark Thermally Activated Delayed Fluorescence Molecules. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 4053-4058	6.4	47
560	Dedoping of Lead Halide Perovskites Incorporating Monovalent Cations. <i>ACS Nano</i> , 2018 , 12, 7301-7311	16.7	73
559	Efficient Triplet Exciton Fusion in Molecularly Doped Polymer Light-Emitting Diodes. <i>Advanced Materials</i> , 2017 , 29, 1605987	24	106
558	Is the Chemical Strategy for Imbuing "Polyene" Character in Diketopyrrolopyrrole-Based Chromophores Sufficient for Singlet Fission?. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 984-991	6.4	21
557	A Silicon-Singlet Fission Tandem Solar Cell Exceeding 100% External Quantum Efficiency with High Spectral Stability. <i>ACS Energy Letters</i> , 2017 , 2, 476-480	20.1	61
556	Zinc tin oxide thin film transistors produced by a high rate reactive sputtering: Effect of tin composition and annealing temperatures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017 , 214, 1600470	1.6	12
555	Visualizing excitations at buried heterojunctions in organic semiconductor blends. <i>Nature Materials</i> , 2017 , 16, 551-557	27	78
554	Understanding charge transport in lead iodide perovskite thin-film field-effect transistors. <i>Science Advances</i> , 2017 , 3, e1601935	14.3	284
553	Chemically diverse and multifunctional hybrid organic/inorganic perovskites. <i>Nature Reviews Materials</i> , 2017 , 2,	73.3	608
552	Defect-Assisted Photoinduced Halide Segregation in Mixed-Halide Perovskite Thin Films. <i>ACS Energy Letters</i> , 2017 , 2, 1416-1424	20.1	307
551	Benzoyl side-chains push the open-circuit voltage of PCDTBT/PCBM solar cells beyond 1V. <i>Organic Electronics</i> , 2017 , 49, 142-151	3.5	4
550	Highly Efficient Light-Emitting Diodes of Colloidal Metal-Halide Perovskite Nanocrystals beyond Quantum Size. <i>ACS Nano</i> , 2017 , 11, 6586-6593	16.7	233
549	On the energetics of bound charge-transfer states in organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 11949-11959	13	19
548	Synthesis and Exciton Dynamics of Donor-Orthogonal Acceptor Conjugated Polymers: Reducing the Singlet-Triplet Energy Gap. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11073-11080	16.4	71
547	Amine-Based Passivating Materials for Enhanced Optical Properties and Performance of Organic-Inorganic Perovskites in Light-Emitting Diodes. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 1784-1792	6.4	180
546	High-performance light-emitting diodes based on carbene-metal-amides. <i>Science</i> , 2017 , 356, 159-163	33.3	303
545	Kinetic Control of Perovskite Thin-Film Morphology and Application in Printable Light-Emitting Diodes. <i>ACS Energy Letters</i> , 2017 , 2, 81-87	20.1	15
544	Harnessing singlet exciton fission to break the Shockley-Queisser limit. <i>Nature Reviews Materials</i> , 2017 , 2,	73.3	199

543	Vibronically coherent ultrafast triplet-pair formation and subsequent thermally activated dissociation control efficient endothermic singlet fission. <i>Nature Chemistry</i> , 2017 , 9, 1205-1212	17.6	151
542	Ultrafast carrier thermalization in lead iodide perovskite probed with two-dimensional electronic spectroscopy. <i>Nature Communications</i> , 2017 , 8, 376	17.4	131
541	Metal Halide Perovskite Polycrystalline Films Exhibiting Properties of Single Crystals. <i>Joule</i> , 2017 , 1, 155-167	16.7	222
540	High Quality Hybrid Perovskite Semiconductor Thin Films with Remarkably Enhanced Luminescence and Defect Suppression via Quaternary Alkyl Ammonium Salt Based Treatment. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700562	4.6	31
539	To branch or not to branch: C ₁ selectivity of thiophene-based donor-acceptor donor monomers in direct arylation polycondensation exemplified by PCDTBT. <i>Polymer Chemistry</i> , 2017 , 8, 4738-4745	4.9	31
538	Monovalent Cation Doping of CH ₃ NH ₃ PbI ₃ for Efficient Perovskite Solar Cells. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	12
537	Excitation Energy Delocalization and Transfer to Guests within ML Cage Frameworks. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12050-12059	16.4	44
536	High Circular Polarization of Electroluminescence Achieved via Self-Assembly of a Light-Emitting Chiral Conjugated Polymer into Multidomain Cholesteric Films. <i>ACS Nano</i> , 2017 , 11, 12713-12722	16.7	134
535	Ultrafast Long-Range Charge Separation in Nonfullerene Organic Solar Cells. <i>ACS Nano</i> , 2017 , 11, 12473-12481	15.9	159
534	Interfacial disorder in efficient polymer solar cells: the impact of donor molecular structure and solvent additives. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 24749-24757	13	48
533	Strongly exchange-coupled triplet pairs in an organic semiconductor. <i>Nature Physics</i> , 2017 , 13, 176-181	16.2	130
532	High Open-Circuit Voltages in Tin-Rich Low-Bandgap Perovskite-Based Planar Heterojunction Photovoltaics. <i>Advanced Materials</i> , 2017 , 29, 1604744	24	166
531	Regioisomer effects of [70]fullerene mono-adduct acceptors in bulk heterojunction polymer solar cells. <i>Chemical Science</i> , 2017 , 8, 181-188	9.4	45
530	Phenothiazine-Based D-A- π Dyes for Highly Efficient Dye-Sensitized Solar Cells: Effect of Internal Acceptor and Non-Conjugated π Spacer on Device Performance. <i>ChemPlusChem</i> , 2017 , 82, 280-286	2.8	5
529	Ultrafast carrier cooling and thermalization in lead iodide perovskite probed with two-dimensional electronic spectroscopy 2017 ,		2
528	Impact of a Mesoporous Titania-Perovskite Interface on the Performance of Hybrid Organic-Inorganic Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3264-9	6.4	75
527	Low-Temperature Solution-Grown CsPbBr ₃ Single Crystals and Their Characterization. <i>Crystal Growth and Design</i> , 2016 , 16, 5717-5725	3.5	256
526	What Controls the Rate of Ultrafast Charge Transfer and Charge Separation Efficiency in Organic Photovoltaic Blends. <i>Journal of the American Chemical Society</i> , 2016 , 138, 11672-9	16.4	154

525	Correlation between Photovoltaic Performance and Interchain Ordering Induced Delocalization of Electronics States in Conjugated Polymer Blends. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 20243-50	9.5	31
524	A facile low temperature route to deposit a TiO ₂ scattering layer for efficient dye-sensitized solar cells. <i>RSC Advances</i> , 2016 , 6, 70895-70901	3.7	13
523	Metal-encapsulated organolead halide perovskite photocathode for solar-driven hydrogen evolution in water. <i>Nature Communications</i> , 2016 , 7, 12555	17.4	126
522	Intrinsic and Extrinsic Stability of Formamidinium Lead Bromide Perovskite Solar Cells Yielding High Photovoltage. <i>Nano Letters</i> , 2016 , 16, 7155-7162	11.5	87
521	Limits for Recombination in a Low Energy Loss Organic Heterojunction. <i>ACS Nano</i> , 2016 , 10, 10736-10744	16.7	64
520	Tunable Near-Infrared Luminescence in Tin Halide Perovskite Devices. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2653-8	6.4	81
519	Photon recycling in lead iodide perovskite solar cells. <i>Science</i> , 2016 , 351, 1430-3	33.3	501
518	Low thresholds for a nonconventional polymer blend amplified spontaneous emission and lasing in F81 ₂ :SYx system. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 15-21	2.6	12
517	Synthesis and Optical Properties of Lead-Free Cesium Tin Halide Perovskite Nanocrystals. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2941-4	16.4	587
516	Efficient Visible Quasi-2D Perovskite Light-Emitting Diodes. <i>Advanced Materials</i> , 2016 , 28, 7515-20	24	451
515	Multi-Functional Transparent Luminescent Configuration for Advanced Photovoltaics. <i>Advanced Energy Materials</i> , 2016 , 6, 1502404	21.8	8
514	Impact of Monovalent Cation Halide Additives on the Structural and Optoelectronic Properties of CH ₃ NH ₃ PbI ₃ Perovskite. <i>Advanced Energy Materials</i> , 2016 , 6, 1502472	21.8	171
513	Improving the Stability and Performance of Perovskite Light-Emitting Diodes by Thermal Annealing Treatment. <i>Advanced Materials</i> , 2016 , 28, 6906-13	24	100
512	Harvesting the Full Potential of Photons with Organic Solar Cells. <i>Advanced Materials</i> , 2016 , 28, 1482-8	24	177
511	Efficient singlet exciton fission in pentacene prepared from a soluble precursor. <i>APL Materials</i> , 2016 , 4, 116112	5.7	9
510	Enhancing photoluminescence yields in lead halide perovskites by photon recycling and light out-coupling. <i>Nature Communications</i> , 2016 , 7, 13941	17.4	331
509	PCDTBT: From Polymer Photovoltaics to Light-Emitting Diodes by Side-Chain-Controlled Luminescence. <i>Macromolecules</i> , 2016 , 49, 9382-9387	5.5	20
508	Highly Efficient Perovskite Nanocrystal Light-Emitting Diodes Enabled by a Universal Crosslinking Method. <i>Advanced Materials</i> , 2016 , 28, 3528-34	24	651

507	Air-Stable n-channel Diketopyrrolopyrrole-Diketopyrrolopyrrole Oligomers for High Performance Ambipolar Organic Transistors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 25415-27	9.5	32
506	Perovskite Light-Emitting Diodes: Efficient Visible Quasi-2D Perovskite Light-Emitting Diodes (Adv. Mater. 34/2016). <i>Advanced Materials</i> , 2016 , 28, 7550-7550	24	8
505	Perovskite light-emitting diodes based on solution-processed self-organized multiple quantum wells. <i>Nature Photonics</i> , 2016 , 10, 699-704	33.9	1206
504	Mapping Morphological and Structural Properties of Lead Halide Perovskites by Scanning Nanofocus XRD. <i>Advanced Functional Materials</i> , 2016 , 26, 8221-8230	15.6	22
503	Compatibilization of All-Conjugated Polymer Blends for Organic Photovoltaics. <i>ACS Nano</i> , 2016 , 10, 8087-8096	10.6	37
502	On the Effect of Prevalent Carbazole Homocoupling Defects on the Photovoltaic Performance of PCDTBT:PC71BM Solar Cells. <i>Advanced Energy Materials</i> , 2016 , 6, 1601232	21.8	39
501	Improved performance of perovskite light-emitting diodes using a PEDOT:PSS and MoO ₃ composite layer. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 8161-8165	7.1	61
500	Spin signatures of exchange-coupled triplet pairs formed by singlet fission. <i>Physical Review B</i> , 2016 , 94,	3.3	29
499	First Principles Calculations of Charge Transfer Excitations in PolymerBullerene Complexes: Influence of Excess Energy. <i>Advanced Functional Materials</i> , 2015 , 25, 1972-1984	15.6	50
498	Size-Dependent Photon Emission from Organometal Halide Perovskite Nanocrystals Embedded in an Organic Matrix. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 446-50	6.4	137
497	Electroluminescence from Organometallic Lead Halide Perovskite-Conjugated Polymer Diodes. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500008	6.4	55
496	Atmospheric influence upon crystallization and electronic disorder and its impact on the photophysical properties of organic-inorganic perovskite solar cells. <i>ACS Nano</i> , 2015 , 9, 2311-20	16.7	152
495	Interfacial control toward efficient and low-voltage perovskite light-emitting diodes. <i>Advanced Materials</i> , 2015 , 27, 2311-6	24	559
494	Efficient light-emitting diodes based on nanocrystalline perovskite in a dielectric polymer matrix. <i>Nano Letters</i> , 2015 , 15, 2640-4	11.5	565
493	In situ synthesis, crystallisation, and thin-film processing of single crystals of trans-[Ru(SO ₂)(NH ₃) ₄ (H ₂ O)][p-TolSO ₃] ₂ bearing SO ₂ linkage photo-isomers: towards optical device applications. <i>CrystEngComm</i> , 2015 , 17, 5026-5031	3.3	7
492	Blue-Green Color Tunable Solution Processable Organolead Chloride-Bromide Mixed Halide Perovskites for Optoelectronic Applications. <i>Nano Letters</i> , 2015 , 15, 6095-101	11.5	369
491	The nature of singlet exciton fission in carotenoid aggregates. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5130-9	16.4	130
490	Device Performance of Small-Molecule Azomethine-Based Bulk Heterojunction Solar Cells. <i>Chemistry of Materials</i> , 2015 , 27, 2990-2997	9.6	40

489	Hot-carrier cooling and photoinduced refractive index changes in organic-inorganic lead halide perovskites. <i>Nature Communications</i> , 2015 , 6, 8420	17.4	373
488	A first-principles study of the vibrational properties of crystalline tetracene under pressure. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 375402	1.8	12
487	Enhancing Phase Separation and Photovoltaic Performance of All-Conjugated Donor-Acceptor Block Copolymers with Semifluorinated Alkyl Side Chains. <i>Macromolecules</i> , 2015 , 48, 7851-7860	5.5	47
486	Nanoscale investigation of organic-inorganic halide perovskites. <i>Journal of Physics: Conference Series</i> , 2015 , 644, 012024	0.3	1
485	Perovskite Crystals for Tunable White Light Emission. <i>Chemistry of Materials</i> , 2015 , 27, 8066-8075	9.6	327
484	Bright and efficient blue polymer light emitting diodes with reduced operating voltages processed entirely at low-temperature. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9327-9336	7.1	10
483	Spin-dependent recombination probed through the dielectric polarizability. <i>Nature Communications</i> , 2015 , 6, 8534	17.4	23
482	Field-enhanced recombination at low temperatures in an organic photovoltaic blend. <i>Physical Review B</i> , 2015 , 92,	3.3	7
481	Enhanced optoelectronic quality of perovskite thin films with hypophosphorous acid for planar heterojunction solar cells. <i>Nature Communications</i> , 2015 , 6, 10030	17.4	492
480	Influence of an Inorganic Interlayer on Exciton Separation in Hybrid Solar Cells. <i>ACS Nano</i> , 2015 , 9, 11863-11871	17.1	18
479	Solution-processable singlet fission photovoltaic devices. <i>Nano Letters</i> , 2015 , 15, 354-8	11.5	109
478	Optical properties and limiting photocurrent of thin-film perovskite solar cells. <i>Energy and Environmental Science</i> , 2015 , 8, 602-609	35.4	335
477	Role of PbSe Structural Stabilization in Photovoltaic Cells. <i>Advanced Functional Materials</i> , 2015 , 25, 928-935	13.5	16
476	Optically Switchable Smart Windows with Integrated Photovoltaic Devices. <i>Advanced Energy Materials</i> , 2015 , 5, 1401347	21.8	61
475	Tunable Singlet Exciton Fission and Triplet-Triplet Annihilation in an Orthogonal Pentacene Dimer. <i>Advanced Functional Materials</i> , 2015 , 25, 5452-5461	15.6	155
474	Local Versus Long-Range Diffusion Effects of Photoexcited States on Radiative Recombination in Organic-Inorganic Lead Halide Perovskites. <i>Advanced Science</i> , 2015 , 2, 1500136	13.6	47
473	Identification of a triplet pair intermediate in singlet exciton fission in solution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 7656-61	11.5	151
472	Overcoming the electroluminescence efficiency limitations of perovskite light-emitting diodes. <i>Science</i> , 2015 , 350, 1222-5	33.3	1963

471	Ultrasmooth organic-inorganic perovskite thin-film formation and crystallization for efficient planar heterojunction solar cells. <i>Nature Communications</i> , 2015 , 6, 6142	17.4	695
470	Enhanced performance in fluorene-free organometal halide perovskite light-emitting diodes using tunable, low electron affinity oxide electron injectors. <i>Advanced Materials</i> , 2015 , 27, 1414-9	24	255
469	In situ optical measurement of charge transport dynamics in organic photovoltaics. <i>Nano Letters</i> , 2015 , 15, 931-5	11.5	6
468	Ultrafast Optical Control of Charge Dynamics in Organic and Hybrid Electronic Nanodevices. <i>Springer Proceedings in Physics</i> , 2015 , 675-678	0.2	
467	Unequal partnership: asymmetric roles of polymeric donor and fullerene acceptor in generating free charge. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2876-84	16.4	222
466	Bimolecular recombination in organic photovoltaics. <i>Annual Review of Physical Chemistry</i> , 2014 , 65, 557-81	15.7	192
465	High Photoluminescence Efficiency and Optically Pumped Lasing in Solution-Processed Mixed Halide Perovskite Semiconductors. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 1421-6	6.4	1292
464	Improved Exciton Dissociation at Semiconducting Polymer:ZnO Donor:Acceptor Interfaces via Nitrogen Doping of ZnO. <i>Advanced Functional Materials</i> , 2014 , 24, 3562-3570	15.6	55
463	Low-temperature transport properties of photogenerated charges in organic materials. <i>Physical Review Letters</i> , 2014 , 112, 126802	7.4	11
462	A transferable model for singlet-fission kinetics. <i>Nature Chemistry</i> , 2014 , 6, 492-7	17.6	349
461	Interface limited charge extraction and recombination in organic photovoltaics. <i>Energy and Environmental Science</i> , 2014 , 7, 2227	35.4	32
460	Quantitative bimolecular recombination in organic photovoltaics through triplet exciton formation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 3424-9	16.4	76
459	A new blue light emitting and electrochromic polyfluorene derivative for display applications. <i>Organic Electronics</i> , 2014 , 15, 500-508	3.5	24
458	Ultrafast long-range charge separation in organic semiconductor photovoltaic diodes. <i>Science</i> , 2014 , 343, 512-6	33.3	698
457	Heterojunction modification for highly efficient organic-inorganic perovskite solar cells. <i>ACS Nano</i> , 2014 , 8, 12701-9	16.7	546
456	A study of tin oxide as an electron injection layer in hybrid polymer light-emitting diodes. <i>Semiconductor Science and Technology</i> , 2014 , 29, 125002	1.8	7
455	Efficiency limitations in a low band-gap diketopyrrolopyrrole-based polymer solar cell. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 6743-52	3.6	16
454	How disorder controls the kinetics of triplet charge recombination in semiconducting organic polymer photovoltaics. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 20321-8	3.6	31

453	Structure formation in P3HT/F8TBT blends. <i>Energy and Environmental Science</i> , 2014 , 7, 1725-1736	35.4	35
452	Improved Performance of ZnO/Polymer Hybrid Photovoltaic Devices by Combining Metal Oxide Doping and Interfacial Modification. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 18945-18950	3.8	36
451	Bright light-emitting diodes based on organometal halide perovskite. <i>Nature Nanotechnology</i> , 2014 , 9, 687-92	28.7	2958
450	Performance and Stability Enhancement of Dye-Sensitized and Perovskite Solar Cells by Al Doping of TiO ₂ . <i>Advanced Functional Materials</i> , 2014 , 24, 6046-6055	15.6	294
449	Temperature- and voltage-induced ligand rearrangement of a dynamic electroluminescent metallopolymer. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8388-91	16.4	70
448	Highly efficient inverted polymer light-emitting diodes using surface modifications of ZnO layer. <i>Nature Communications</i> , 2014 , 5, 4840	17.4	115
447	Resonant energy transfer of triplet excitons from pentacene to PbSe nanocrystals. <i>Nature Materials</i> , 2014 , 13, 1033-8	27	208
446	Preparation of Single-Phase Films of CH ₃ NH ₃ Pb(I _{1-x} Br _x) ₃ with Sharp Optical Band Edges. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2501-5	6.4	347
445	Triplet dynamics in pentacene crystals: applications to fission-sensitized photovoltaics. <i>Advanced Materials</i> , 2014 , 26, 919-24	24	56
444	Improved Open-Circuit Voltage in ZnO-PbSe Quantum Dot Solar Cells by Understanding and Reducing Losses Arising from the ZnO Conduction Band Tail. <i>Advanced Energy Materials</i> , 2014 , 4, 1301544	21.8	82
443	Engineering Schottky contacts in open-air fabricated heterojunction solar cells to enable high performance and ohmic charge transport. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 22192-8	9.5	23
442	In-Situ Switching from Barrier-Limited to Ohmic Anodes for Efficient Organic Optoelectronics. <i>Advanced Functional Materials</i> , 2014 , 24, 3051-3058	15.6	32
441	Nanosecond intersystem crossing times in fullerene acceptors: implications for organic photovoltaic diodes. <i>Advanced Materials</i> , 2014 , 26, 4851-4	24	57
440	Temperature- and Voltage-Induced Ligand Rearrangement of a Dynamic Electroluminescent Metallopolymer. <i>Angewandte Chemie</i> , 2014 , 126, 8528-8531	3.6	9
439	Thick polymer light-emitting diodes with very high power efficiency using Ohmic charge-injection layers. <i>Semiconductor Science and Technology</i> , 2014 , 29, 025005	1.8	9
438	The role of spin in the kinetic control of recombination in organic photovoltaics. <i>Nature</i> , 2013 , 500, 435-9	30.4	379
437	Activated singlet exciton fission in a semiconducting polymer. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12747-54	16.4	119
436	The Influence of Side-Chain Position on the Optoelectronic Properties of a Red-Emitting Conjugated Polymer. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 967-974	2.6	21

435	Improved fill factors in solution-processed ZnO/Cu ₂ O photovoltaics. <i>Thin Solid Films</i> , 2013 , 536, 280-285	2.2	
434	Temperature-independent singlet exciton fission in tetracene. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16680-8	16.4	162
433	Singlet exciton fission in solution. <i>Nature Chemistry</i> , 2013 , 5, 1019-24	17.6	371
432	Polymer crystallization as a tool to pattern hybrid nanostructures: growth of 12 nm ZnO arrays in poly(3-hexylthiophene). <i>Nano Letters</i> , 2013 , 13, 4499-504	11.5	27
431	Charge-Transfer State Dynamics Following Hole and Electron Transfer in Organic Photovoltaic Devices. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 209-15	6.4	110
430	Liquid crystalline chromophores for photonic band-edge laser devices. <i>Optical Materials</i> , 2013 , 35, 837-843	3.4	25
429	Control of intrachain charge transfer in model systems for block copolymer photovoltaic materials. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5074-83	16.4	46
428	Donor-acceptor interface modification by zwitterionic conjugated polyelectrolytes in polymer photovoltaics. <i>Energy and Environmental Science</i> , 2013 , 6, 1589	35.4	46
427	Recombination dynamics of charge pairs in a push-pull polyfluorene-derivative. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 4649-53	3.4	26
426	Singlet exciton fission in polycrystalline pentacene: from photophysics toward devices. <i>Accounts of Chemical Research</i> , 2013 , 46, 1330-8	24.3	191
425	Optical Processes in Conjugated Polyelectrolytes Dependence on Chain Conformation and Film Morphology 2013 , 389-410		1
424	Crystallization-Induced 10-nm Structure Formation in P3HT/PCBM Blends. <i>Macromolecules</i> , 2013 , 46, 4002-4013	5.5	126
423	Suppressing recombination in polymer photovoltaic devices via energy-level cascades. <i>Advanced Materials</i> , 2013 , 25, 4131-8	24	54
422	A nano-patterned photonic crystal laser with a dye-doped liquid crystal. <i>Applied Physics Letters</i> , 2013 , 103, 051101	3.4	12
421	Triplet diffusion in singlet exciton fission sensitized pentacene solar cells. <i>Applied Physics Letters</i> , 2013 , 103, 153302	3.4	55
420	Solar power. Preface. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013 , 371, 20130130	3	0
419	Ultrafast Pump-Push Photocurrent Spectroscopy of Organic Photoconversion Systems. <i>EPJ Web of Conferences</i> , 2013 , 41, 05020	0.3	3
418	Thin-film ZnO/Cu ₂ O solar cells incorporating an organic buffer layer. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 96, 148-154	6.4	51

4 ¹⁷	Charge-Carrier Balance and Color Purity in Polyfluorene Polymer Blends for Blue Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2012 , 22, 144-150	15.6	65
4 ¹⁶	Solvent additive control of morphology and crystallization in semiconducting polymer blends. <i>Advanced Materials</i> , 2012 , 24, 669-74	24	145
4 ¹⁵	Time-evolution of poly(3-hexylthiophene) as an energy relay dye in dye-sensitized solar cells. <i>Nano Letters</i> , 2012 , 12, 634-9	11.5	37
4 ¹⁴	Synthesis and photophysics of fully π -conjugated heterobis-functionalized polymeric molecular wires via Suzuki chain-growth polymerization. <i>Journal of the American Chemical Society</i> , 2012 , 134, 17769-77	16.4	59
4 ¹³	Aqueous self-assembly of an electroluminescent double-helical metallopolymer. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19170-8	16.4	59
4 ¹²	Morphology-dependent charge photogeneration in donor-acceptor block copolymer films based on poly(3-hexylthiophene)-block-poly(perylene bisimide acrylate). <i>Journal of Physical Chemistry B</i> , 2012 , 116, 10070-8	3.4	24
4 ¹¹	A nanoimprinted, optically tuneable organic laser. <i>Applied Physics Letters</i> , 2012 , 100, 173301	3.4	23
4 ¹⁰	Hybrid pentacene/a-silicon solar cells utilizing multiple carrier generation via singlet exciton fission. <i>Applied Physics Letters</i> , 2012 , 101, 153507	3.4	45
4 ⁰⁹	Direct observation of photoinduced bound charge-pair states at an organic-inorganic semiconductor interface. <i>Physical Review Letters</i> , 2012 , 108, 246605	7.4	59
4 ⁰⁸	Effects of Polymer Packing Structure on Photoinduced Triplet Generation and Dynamics. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 11298-11305	3.8	6
4 ⁰⁷	The role of driving energy and delocalized States for charge separation in organic semiconductors. <i>Science</i> , 2012 , 335, 1340-4	33.3	905
4 ⁰⁶	On the energetic dependence of charge separation in low-band-gap polymer/fullerene blends. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18189-92	16.4	160
4 ⁰⁵	In situ measurement of exciton energy in hybrid singlet-fission solar cells. <i>Nature Communications</i> , 2012 , 3, 1019	17.4	153
4 ⁰⁴	High internal quantum efficiency in fullerene solar cells based on crosslinked polymer donor networks. <i>Nature Communications</i> , 2012 , 3, 1321	17.4	67
4 ⁰³	Oligomeric Compatibilizers for Control of phase Separation in Conjugated Polymer Blend Films. <i>Macromolecules</i> , 2012 , 45, 1468-1475	5.5	10
4 ⁰²	On the role of single regiodefects and polydispersity in regioregular poly(3-hexylthiophene): defect distribution, synthesis of defect-free chains, and a simple model for the determination of crystallinity. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4790-805	16.4	163
4 ⁰¹	White-light bias external quantum efficiency measurements of standard and inverted P3HT : PCBM photovoltaic cells. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 415101	3	26
4 ⁰⁰	Blue-phase templated fabrication of three-dimensional nanostructures for photonic applications. <i>Nature Materials</i> , 2012 , 11, 599-603	27	204

399	Excitons and charges at organic semiconductor heterojunctions. <i>Faraday Discussions</i> , 2012 , 155, 339-48; discussion 349-56	3.6	35
398	Recent Advances in Hybrid Optoelectronics. <i>Israel Journal of Chemistry</i> , 2012 , 52, 496-517	3.4	16
397	Exciton-Charge Annihilation in Organic Semiconductor Films. <i>Advanced Functional Materials</i> , 2012 , 22, 1567-1577	15.6	91
396	Compositional and Morphological Studies of Polythiophene/Polyflorene Blends in Inverted Architecture Hybrid Solar Cells. <i>Advanced Functional Materials</i> , 2012 , 22, 2418-2424	15.6	26
395	Barium Hydroxide as an Interlayer Between Zinc Oxide and a Luminescent Conjugated Polymer for Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2012 , 22, 4165-4171	15.6	71
394	Highly efficient single-layer polymer ambipolar light-emitting field-effect transistors. <i>Advanced Materials</i> , 2012 , 24, 2728-34	24	128
393	Singlet exciton fission-sensitized infrared quantum dot solar cells. <i>Nano Letters</i> , 2012 , 12, 1053-7	11.5	177
392	Effective work functions for the evaporated metal/organic semiconductor contacts from in-situ diode flatband potential measurements. <i>Applied Physics Letters</i> , 2012 , 101, 013501	3.4	19
391	Triplet dynamics in fluorescent polymer light-emitting diodes. <i>Physical Review B</i> , 2012 , 85,	3.3	131
390	Collective osmotic shock in ordered materials. <i>Nature Materials</i> , 2011 , 11, 53-7	27	54
389	The Binding Energy of Charge-Transfer Excitons Localized at Polymeric Semiconductor Heterojunctions. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 7114-7119	3.8	117
388	Photophysics of pentacene thin films: The role of exciton fission and heating effects. <i>Physical Review B</i> , 2011 , 84,	3.3	96
387	High-performance electron-transporting polymers derived from a heteroaryl bis(trifluoroborate). <i>Journal of the American Chemical Society</i> , 2011 , 133, 9949-51	16.4	72
386	Sequential energy and electron transfer in polyisocyanopeptide-based multichromophoric arrays. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 1590-600	3.4	16
385	Surface-directed spinodal decomposition in poly[3-hexylthiophene] and C ₆ butyric acid methyl ester blends. <i>ACS Nano</i> , 2011 , 5, 329-36	16.7	105
384	Ag-nanowire films coated with ZnO nanoparticles as a transparent electrode for solar cells. <i>Applied Physics Letters</i> , 2011 , 99, 183307	3.4	136
383	Tuning interchain and intrachain interactions in polyfluorene copolymers. <i>Physical Review B</i> , 2011 , 84,	3.3	30
382	Giant broadband nonlinear optical absorption response in dispersed graphene single sheets. <i>Nature Photonics</i> , 2011 , 5, 554-560	33.9	354

381	Formation of Well-Ordered Heterojunctions in Polymer:PCBM Photovoltaic Devices. <i>Advanced Functional Materials</i> , 2011 , 21, 139-146	15.6	76
380	Room-Temperature Phase Demixing in Bulk Heterojunction Layers of Solution-Processed Organic Photodetectors: the Effect of Active Layer Ageing on the Device Electro-optical Properties. <i>Advanced Functional Materials</i> , 2011 , 21, 1355-1363	15.6	15
379	Doping of Organic Semiconductors Using Molybdenum Trioxide: a Quantitative Time-Dependent Electrical and Spectroscopic Study. <i>Advanced Functional Materials</i> , 2011 , 21, 1432-1441	15.6	106
378	Polymer Blend Solar Cells Based on a High-Mobility Naphthalenediimide-Based Polymer Acceptor: Device Physics, Photophysics and Morphology. <i>Advanced Energy Materials</i> , 2011 , 1, 230-240	21.8	190
377	Tunable charge transport using supramolecular self-assembly of nanostructured crystalline block copolymers. <i>ACS Nano</i> , 2011 , 5, 3506-15	16.7	35
376	Conjugated zwitterionic polyelectrolyte as the charge injection layer for high-performance polymer light-emitting diodes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 683-5	16.4	174
375	Influence of Side Chains on Geminate and Bimolecular Recombination in Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 25046-25055	3.8	35
374	Ultrafast dynamics of exciton fission in polycrystalline pentacene. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11830-3	16.4	331
373	Measurement of thermal modulation of optical absorption in pump-probe spectroscopy of semiconducting polymers. <i>Applied Physics Letters</i> , 2011 , 98, 223304	3.4	36
372	Improved electron injection in poly(9,9'-dioctylfluorene)-co-benzothiadiazole via cesium carbonate by means of coannealing. <i>Applied Physics Letters</i> , 2011 , 98, 113306	3.4	36
371	Tuning the electronic coupling in a low-bandgap donor-acceptor copolymer via the placement of side-chains. <i>Journal of Chemical Physics</i> , 2011 , 134, 114901	3.9	32
370	High-performance polymer semiconducting heterostructure devices by nitrene-mediated photocrosslinking of alkyl side chains. <i>Nature Materials</i> , 2010 , 9, 152-8	27	208
369	Mechanically tunable conjugated polymer distributed feedback lasers. <i>Applied Physics Letters</i> , 2010 , 97, 193303	3.4	80
368	Pressure-induced delocalization of photoexcited states in a semiconducting polymer. <i>Physical Review Letters</i> , 2010 , 105, 195501	7.4	17
367	Subnanosecond geminate charge recombination in polymer-polymer photovoltaic devices. <i>Physical Review Letters</i> , 2010 , 104, 177701	7.4	76
366	Dielectric switching of the nature of excited singlet state in a donor-acceptor-type polyfluorene copolymer. <i>Physical Review B</i> , 2010 , 81,	3.3	26
365	Probing thin-film morphology of conjugated polymers by Raman spectroscopy. <i>Journal of Applied Physics</i> , 2010 , 107, 024902	2.5	15
364	Dye-sensitized solar cell based on a three-dimensional photonic crystal. <i>Nano Letters</i> , 2010 , 10, 2303-9	11.5	295

363	All-aromatic liquid crystal triphenylamine-based poly(azomethine)s as hole transport materials for opto-electronic applications. <i>Journal of Materials Chemistry</i> , 2010 , 20, 937-944		106
362	Effect of annealing on P3HT:PCBM charge transfer and nanoscale morphology probed by ultrafast spectroscopy. <i>Nano Letters</i> , 2010 , 10, 923-30	11.5	259
361	Enhanced photoresponse in solid-state excitonic solar cells via resonant energy transfer and cascaded charge transfer from a secondary absorber. <i>Nano Letters</i> , 2010 , 10, 4981-8	11.5	46
360	Synthesis, characterization and comparative OFET behaviour of indenofluoreneBithiophene and terthiophene alternating copolymers. <i>Synthetic Metals</i> , 2010 , 160, 468-474	3.6	9
359	Comparison of the performance of photonic band-edge liquid crystal lasers using different dyes as the gain medium. <i>Journal of Applied Physics</i> , 2010 , 107, 043101	2.5	64
358	Charge recombination and exciton annihilation reactions in conjugated polymer blends. <i>Journal of the American Chemical Society</i> , 2010 , 132, 328-35	16.4	63
357	Formation of nanopatterned polymer blends in photovoltaic devices. <i>Nano Letters</i> , 2010 , 10, 1302-7	11.5	236
356	Phase-separated thin film structures for efficient polymer blend light-emitting diodes. <i>Nano Letters</i> , 2010 , 10, 385-92	11.5	37
355	Synthesis and characterization of low bandgap conjugated donor-acceptor polymers for polymer:PCBM solar cells. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9231		27
354	Improved photoinduced charge carriers separation in organic-inorganic hybrid photovoltaic devices. <i>Applied Physics Letters</i> , 2010 , 97, 033309	3.4	97
353	Exciton fission and charge generation via triplet excitons in pentacene/C60 bilayers. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12698-703	16.4	263
352	Solution-Processed Zinc Oxide as High-Performance Air-Stable Electron Injector in Organic Ambipolar Light-Emitting Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2010 , 20, 3457-3465	15.6	74
351	The Dependence of Device Dark Current on the Active-Layer Morphology of Solution-Processed Organic Photodetectors. <i>Advanced Functional Materials</i> , 2010 , 20, 3895-3903	15.6	74
350	Poly(9,9-dioctylfluorene)-based conjugated polyelectrolyte: extended pi-electron conjugation induced by complexation with a surfactant zwitterion. <i>Advanced Materials</i> , 2010 , 22, 2073-7	24	28
349	Increased T(c) in electrolyte-gated cuprates. <i>Advanced Materials</i> , 2010 , 22, 2529-33	24	47
348	Efficient single-layer polymer light-emitting diodes. <i>Advanced Materials</i> , 2010 , 22, 3194-8	24	225
347	Direct measurement of electric field-assisted charge separation in polymer:fullerene photovoltaic diodes. <i>Advanced Materials</i> , 2010 , 22, 3672-6	24	123
346	Charge Transfer and Charge Separation in Conjugated Polymer Solar Cells 2010 , 531-562		1

345	Multichromophoric phthalocyanine-(perylene)diimide(8) molecules: a photophysical study. <i>Chemistry - A European Journal</i> , 2010 , 16, 10021-9	4.8	22
344	Direct evidence for the role of the Madelung potential in determining the work function of doped organic semiconductors. <i>Physical Review Letters</i> , 2009 , 102, 096602	7.4	28
343	Electron spin resonance and electron nuclear double resonance of photogenerated polarons in polyfluorene and its fullerene composite. <i>Physical Review B</i> , 2009 , 79,	3.3	34
342	All-solution based device engineering of multilayer polymeric photodiodes: Minimizing dark current. <i>Applied Physics Letters</i> , 2009 , 94, 173303	3.4	60
341	Determining exciton bandwidth and film microstructure in polythiophene films using linear absorption spectroscopy. <i>Applied Physics Letters</i> , 2009 , 94, 163306	3.4	442
340	Role of delta-hole-doped interfaces at Ohmic contacts to organic semiconductors. <i>Physical Review Letters</i> , 2009 , 103, 036601	7.4	29
339	Determining exciton coherence from the photoluminescence spectral line shape in poly(3-hexylthiophene) thin films. <i>Journal of Chemical Physics</i> , 2009 , 130, 074904	3.9	216
338	Charge-transfer character of excitons in poly[2,7-(9,9-di-n-octylfluorene)(1-x)-co-4,7-(2,1,3-benzothiadiazole)(x)]. <i>Journal of Chemical Physics</i> , 2009 , 131, 035104	3.9	32
337	Optically-Pumped Lasing in Hybrid Organic-Inorganic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2009 , 19, 2130-2136	15.6	50
336	Correlation of Heterojunction Luminescence Quenching and Photocurrent in Polymer-Blend Photovoltaic Diodes. <i>Advanced Materials</i> , 2009 , 21, 3924-3927	24	38
335	"Helter-skelter-like" perylene polyisocyanopeptides. <i>Chemistry - A European Journal</i> , 2009 , 15, 2536-47	4.8	62
334	Does interchain stacking morphology contribute to the singlet-triplet interconversion dynamics in polymer heterojunctions?. <i>Chemical Physics</i> , 2009 , 357, 159-162	2.3	3
333	Perylene Tetracarboxydiimide as an Electron Acceptor in Organic Solar Cells: A Study of Charge Generation and Recombination. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 21225-21232	3.8	134
332	The relationship between nanoscale architecture and charge transport in conjugated nanocrystals bridged by multichromophoric Polymers. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7055-63	16.4	50
331	Improved Performance of Perylene-Based Photovoltaic Cells Using Polyisocyanopeptide Arrays. <i>Macromolecules</i> , 2009 , 42, 2023-2030	5.5	74
330	Ion-induced formation of charge-transfer states in conjugated polyelectrolytes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8913-21	16.4	74
329	Efficient ZnO Nanowire Solid-State Dye-Sensitized Solar Cells Using Organic Dyes and Core-Shell Nanostructures. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18515-18522	3.8	80
328	Excitonic versus electronic couplings in molecular assemblies: The importance of non-nearest neighbor interactions. <i>Journal of Chemical Physics</i> , 2009 , 130, 044105	3.9	122

327	Large electric field effect in electrolyte-gated manganites. <i>Physical Review Letters</i> , 2009 , 102, 136402	7.4	135
326	Effects of Layer Thickness and Annealing of PEDOT:PSS Layers in Organic Photodetectors. <i>Macromolecules</i> , 2009 , 42, 6741-6747	5.5	207
325	Electronic structures of interfacial states formed at polymeric semiconductor heterojunctions. <i>Nature Materials</i> , 2008 , 7, 483-9	27	175
324	Triplet energy transfer in conjugated polymers. I. Experimental investigation of a weakly disordered compound. <i>Physical Review B</i> , 2008 , 78,	3.3	58
323	Optoelectronic and charge transport properties at organic-organic semiconductor interfaces: comparison between polyfluorene-based polymer blend and copolymer. <i>Journal of the American Chemical Society</i> , 2008 , 130, 13120-31	16.4	72
322	Quantum efficiency of ambipolar light-emitting polymer field-effect transistors. <i>Journal of Applied Physics</i> , 2008 , 103, 064517	2.5	73
321	A unified description of current-voltage characteristics in organic and hybrid photovoltaics under low light intensity. <i>Nano Letters</i> , 2008 , 8, 1393-8	11.5	88
320	Investigation into the Phosphorescence of a Series of Regioisomeric Iridium(III) Complexes. <i>Organometallics</i> , 2008 , 27, 2980-2989	3.8	35
319	Low-temperature control of nanoscale morphology for high performance polymer photovoltaics. <i>Nano Letters</i> , 2008 , 8, 3942-7	11.5	81
318	Charge recombination in organic photovoltaic devices with high open-circuit voltages. <i>Journal of the American Chemical Society</i> , 2008 , 130, 13653-8	16.4	196
317	Exciplex emission from electroluminescent ladder-type pentaphenylene oligomers bearing both electron- and hole-accepting substituents. <i>Journal of Chemical Physics</i> , 2008 , 128, 044703	3.9	12
316	X-ray stability and response of polymeric photodiodes for imaging applications. <i>Applied Physics Letters</i> , 2008 , 92, 023304	3.4	58
315	Organic Materials for Large Area Electronics. <i>Materials Science Forum</i> , 2008 , 608, 159-179	0.4	3
314	Tuning interfacial charge-transfer excitons at polymer-polymer heterojunctions under hydrostatic pressure. <i>Physical Review Letters</i> , 2008 , 100, 157401	7.4	21
313	Tuning the wavelength of lasing emission in organic semiconducting laser by the orientation of liquid crystalline conjugated polymer. <i>Journal of Applied Physics</i> , 2008 , 104, 033107	2.5	27
312	Charge recombination in distributed heterostructures of semiconductor discotic and polymeric materials.. <i>Journal of Applied Physics</i> , 2008 , 103, 124510	2.5	14
311	Chemical reversability of the electrical dedoping of conducting polymers: An organic chemically erasable programmable read-only memory. <i>Applied Physics Letters</i> , 2008 , 93, 033314	3.4	4
310	Probing the morphology and energy landscape of blends of conjugated polymers with sub-10 nm resolution. <i>Physical Review Letters</i> , 2008 , 101, 016102	7.4	55

309	Direct evidence for delocalization of charge carriers at the Fermi level in a doped conducting polymer. <i>Physical Review Letters</i> , 2008 , 100, 186601	7.4	15
308	Polarization anisotropy dynamics for thin films of a conjugated polymer aligned by nanoimprinting. <i>Physical Review B</i> , 2008 , 77,	3.3	27
307	Efficient Conjugated-Polymer Optoelectronic Devices Fabricated by Thin-Film Transfer-Printing Technique. <i>Advanced Functional Materials</i> , 2008 , 18, 1012-1019	15.6	115
306	Efficient Polythiophene/Polyfluorene Copolymer Bulk Heterojunction Photovoltaic Devices: Device Physics and Annealing Effects. <i>Advanced Functional Materials</i> , 2008 , 18, 2309-2321	15.6	235
305	Surface-Directed Phase Separation of Conjugated Polymer Blends for Efficient Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2008 , 18, 2897-2904	15.6	39
304	Amplified Spontaneous Emission of Poly(ladder-type phenylene)s □ The Influence of Photophysical Properties on ASE Thresholds. <i>Advanced Functional Materials</i> , 2008 , 18, 3265-3275	15.6	41
303	Intermolecular Interactions of Perylene diimides in Photovoltaic Blends of Fluorene Copolymers: Disorder Effects on Photophysical Properties, Film Morphology and Device Efficiency. <i>Advanced Functional Materials</i> , 2008 , 18, 3189-3202	15.6	83
302	Electronic Transport Properties of Ensembles of Perylene-Substituted Poly-isocyanopeptide Arrays. <i>Advanced Functional Materials</i> , 2008 , 18, 3947-3955	15.6	68
301	Control of Rapid Formation of Interchain Excited States in Sugar-Threaded Supramolecular Wires. <i>Advanced Materials</i> , 2008 , 20, 3218-3223	24	46
300	High Efficiency Composite Metal Oxide-Polymer Electroluminescent Devices: A Morphological and Material Based Investigation. <i>Advanced Materials</i> , 2008 , 20, 3447-3452	24	129
299	Band-like Transport in Surface-Functionalized Highly Solution-Processable Graphene Nanosheets. <i>Advanced Materials</i> , 2008 , 20, 3440-3446	24	270
298	Controlling Electrical Properties of Conjugated Polymers via a Solution-Based p-Type Doping. <i>Advanced Materials</i> , 2008 , 20, 3319-3324	24	232
297	Tunable Ultrafast Optical Switching via Waveguided Gold Nanowires. <i>Advanced Materials</i> , 2008 , 20, 4455-4459	24	91
296	Control of luminescence in conjugated polymers through control of chain microstructure. <i>Journal of Materials Chemistry</i> , 2007 , 17, 907-912		13
295	In situ identification of a luminescence quencher in an organic light-emitting device. <i>Journal of Materials Chemistry</i> , 2007 , 17, 76-81		35
294	Uniaxial alignment of liquid-crystalline conjugated polymers by nanoconfinement. <i>Nano Letters</i> , 2007 , 7, 987-92	11.5	167
293	Monte Carlo Simulation of Exciton Bimolecular Annihilation Dynamics in Supramolecular Semiconductor Architectures □ <i>Journal of Physical Chemistry C</i> , 2007 , 111, 19111-19119	3.8	13
292	Efficiency enhancements in solid-state hybrid solar cells via reduced charge recombination and increased light capture. <i>Nano Letters</i> , 2007 , 7, 3372-6	11.5	350

291	Multiphoton excited photoconductivity in polyfluorene. <i>Physical Review B</i> , 2007 , 75,	3.3	11
290	Optical spectroscopy of a polyfluorene copolymer at high pressure: intra- and intermolecular interactions. <i>Physical Review Letters</i> , 2007 , 99, 167401	7.4	84
289	Large-area two-dimensional photonic crystals of metallic nanocylinders based on colloidal gold nanoparticles. <i>Applied Physics Letters</i> , 2007 , 90, 133114	3.4	32
288	Modeling the effect of the structure of polymer photocells on their absorption spectrum. <i>Journal of Applied Physics</i> , 2007 , 102, 013105	2.5	7
287	Role of intermolecular coupling in the photophysics of disordered organic semiconductors: aggregate emission in regioregular polythiophene. <i>Physical Review Letters</i> , 2007 , 98, 206406	7.4	73 ¹
286	Nonlithographic patterning through inkjet printing via holes. <i>Applied Physics Letters</i> , 2007 , 90, 253513	3.4	30
285	Dual electron donor/electron acceptor character of a conjugated polymer in efficient photovoltaic diodes. <i>Applied Physics Letters</i> , 2007 , 90, 193506	3.4	208
284	Influence of Nanoscale Phase Separation on the Charge Generation Dynamics and Photovoltaic Performance of Conjugated Polymer Blends: Balancing Charge Generation and Separation. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 19153-19160	3.8	201
283	Sequential absorption processes in two-photon-excitation transient absorption spectroscopy in a semiconductor polymer. <i>Physical Review B</i> , 2006 , 73,	3.3	14
282	Influence of copolymer interface orientation on the optical emission of polymeric semiconductor heterojunctions. <i>Physical Review Letters</i> , 2006 , 96, 117403	7.4	63
281	Control of morphology in efficient photovoltaic diodes from discotic liquid crystals. <i>Journal of Chemical Physics</i> , 2006 , 124, 174704	3.9	78
280	Anisotropic optical properties in electroluminescent conjugated polymers based on grazing angle photoluminescence measurements. <i>Journal of Chemical Physics</i> , 2006 , 124, 184706	3.9	40
279	Polymer bilayer structure via inkjet printing. <i>Applied Physics Letters</i> , 2006 , 88, 163508	3.4	28
278	Metallic photonic crystals based on solution-processible gold nanoparticles. <i>Nano Letters</i> , 2006 , 6, 651-511.5	11.5	114
277	Anomalous energy transfer dynamics due to torsional relaxation in a conjugated polymer. <i>Physical Review Letters</i> , 2006 , 97, 166804	7.4	125
276	Triplet energy back transfer in conjugated polymers with pendant phosphorescent iridium complexes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6647-56	16.4	214
275	Identification of a quenching species in ruthenium tris-bipyridine electroluminescent devices. <i>Journal of the American Chemical Society</i> , 2006 , 128, 7761-4	16.4	102
274	Enhancement of charge-transport characteristics in polymeric films using polymer brushes. <i>Nano Letters</i> , 2006 , 6, 573-8	11.5	87

273	Effect of temperature and chain length on the bimodal emission properties of single polyfluorene copolymer molecules. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 18898-903	3.4	40
272	Photovoltaic Performance and Morphology of Polyfluorene Blends: The Influence of Phase Separation Evolution. <i>Macromolecules</i> , 2006 , 39, 5393-5399	5.5	40
271	Spatial control of the recombination zone in ambipolar light-emitting polymer transistors 2006 ,		1
270	Spatial control of the recombination zone in an ambipolar light-emitting organic transistor. <i>Nature Materials</i> , 2006 , 5, 69-74	27	480
269	Self-organization of nanocrystals in polymer brushes. Application in heterojunction photovoltaic diodes. <i>Nano Letters</i> , 2005 , 5, 1653-7	11.5	139
268	Exciton trapping at heterojunctions in polymer blends. <i>Journal of Chemical Physics</i> , 2005 , 122, 244906	3.9	53
267	Excitation migration along oligophenylenevinylene-based chiral stacks: delocalization effects on transport dynamics. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 10594-604	3.4	77
266	Single-photon pumping and two-photon probing spectroscopy for the determination of absorption cross-sections in an organic semiconductor. <i>Optics Express</i> , 2005 , 13, 10873-81	3.3	4
265	An Organic Electronics Primer. <i>Physics Today</i> , 2005 , 58, 53-58	0.9	316
264	Morphology dependence of the triplet excited state formation and absorption in polyfluorene. <i>Physical Review B</i> , 2005 , 71,	3.3	84
263	Correlation between surface photovoltage and blend morphology in polyfluorene-based photodiodes. <i>Nano Letters</i> , 2005 , 5, 559-63	11.5	160
262	Spin-cast thin semiconducting polymer interlayer for improving device efficiency of polymer light-emitting diodes. <i>Applied Physics Letters</i> , 2005 , 87, 023506	3.4	256
261	Controlled Phase Separation of Polyfluorene Blends via Inkjet Printing. <i>Macromolecules</i> , 2005 , 38, 6466-6471	3.9	50
260	Exciton migration in a polythiophene: probing the spatial and energy domain by line-dipole Forster-type energy transfer. <i>Journal of Chemical Physics</i> , 2005 , 122, 094903	3.9	99
259	Jim Feast: a career in polymer science. <i>Polymer</i> , 2005 , 46, 1427-1438	3.9	2
258	Morphological and electronic consequences of modifications to the polymer anode PEDOT:PSS <i>Polymer</i> , 2005 , 46, 2573-2578	3.9	122
257	Blue-to-green electrophosphorescence of iridium-based cyclometallated materials. <i>Chemical Communications</i> , 2005 , 4708-10	5.8	93
256	Effects of packing structure on the optoelectronic and charge transport properties in poly(9,9-di-n-octylfluorene-alt-benzothiadiazole). <i>Journal of the American Chemical Society</i> , 2005 , 127, 12890-9	16.4	293

- 255 General observation of n-type field-effect behaviour in organic semiconductors. *Nature*, **2005**, 434, 194-198
- 254 Suppression of Green Emission in a New Class of Blue-Emitting Polyfluorene Copolymers with Twisted Biphenyl Moieties. *Advanced Functional Materials*, **2005**, 15, 981-988 15.6 95
- 253 Lithography-Free, Self-Aligned Inkjet Printing with Sub-Hundred-Nanometer Resolution. *Advanced Materials*, **2005**, 17, 997-1001 24 268
- 252 Supramolecular Complexes of Conjugated Polyelectrolytes with Poly(ethylene oxide): Multifunctional Luminescent Semiconductors Exhibiting Electronic and Ionic Transport. *Advanced Materials*, **2005**, 17, 2659-2663 24 78
- 251 Organic double-gate field-effect transistors: Logic-AND operation. *Applied Physics Letters*, **2005**, 87, 2535-2537 12 25
- 250 The effects of supramolecular assembly on exciton decay rates in organic semiconductors. *Journal of Chemical Physics*, **2005**, 123, 084902 3.9 15
- 249 Electric field-induced transition from heterojunction to bulk charge recombination in bilayer polymer light-emitting diodes. *Applied Physics Letters*, **2005**, 86, 163501 3.4 34
- 248 The use of electrical pulses to study the physics of bilayer organic light-emitting diodes. *Journal of Applied Physics*, **2005**, 97, 014504 2.5 13
- 247 Electronic Processes at Semiconductor Polymer Heterojunctions **2005**, 35-94 7
- 246 Highly-efficient broadband waveguide outcoupling in light-emitting diodes with self-organized polymer blends. *Applied Physics Letters*, **2004**, 85, 2965-2967 3.4 14
- 245 Trap-assisted hole injection and quantum efficiency enhancement in poly(9,9'-dioctylfluorene-alt-benzothiadiazole) polymer light-emitting diodes. *Journal of Applied Physics*, **2004**, 96, 7643-7649 2.5 35
- 244 New Light Emitting Polymers and High Energy Hosts for Triplet Emission. *Materials Research Society Symposia Proceedings*, **2004**, 846, DD7.7.1
- 243 Charge transport and efficiency in photovoltaic devices based on polyfluorene blends **2004**, 5520, 26
- 242 Morphological dependence of charge generation and transport in blended polyfluorene photovoltaic devices. *Thin Solid Films*, **2004**, 451-452, 567-571 2.2 35
- 241 Efficient energy transfer in mixed columnar stacks of hydrogen-bonded oligo(p-phenylene vinylene)s in solution. *Angewandte Chemie - International Edition*, **2004**, 43, 1976-9 16.4 94
- 240 The Origin of Collected Charge and Open-Circuit Voltage in Blended Polyfluorene Photovoltaic Devices. *Advanced Materials*, **2004**, 16, 1640-1645 24 115
- 239 Self-Organized Photonic Structures in Polymer Light-Emitting Diodes. *Advanced Materials*, **2004**, 16, 1908-1912 12 44
- 238 Observation of Field-Effect Transistor Behavior at Self-Organized Interfaces. *Advanced Materials*, **2004**, 16, 1609-1615 24 163

237	Electrical degradation of triarylamine-based light-emitting polymer diodes monitored by micro-Raman spectroscopy. <i>Chemical Physics Letters</i> , 2004 , 386, 2-7	2.5	59
236	Endothermic exciplex \rightarrow exciton energy-transfer in a blue-emitting polymeric heterojunction system. <i>Chemical Physics Letters</i> , 2004 , 391, 81-84	2.5	51
235	Solution-processible conjugated electrophosphorescent polymers. <i>Journal of the American Chemical Society</i> , 2004 , 126, 7041-8	16.4	271
234	Influence of the Casting Solvent on the Thermotropic Alignment of Thin Liquid Crystalline Polyfluorene Copolymer Films. <i>Macromolecules</i> , 2004 , 37, 6079-6085	5.5	45
233	High-stability ultrathin spin-on benzocyclobutene gate dielectric for polymer field-effect transistors. <i>Applied Physics Letters</i> , 2004 , 84, 3400-3402	3.4	195
232	Phase Separation in Polyfluorene-Based Conjugated Polymer Blends: Lateral and Vertical Analysis of Blend Spin-Cast Thin Films. <i>Macromolecules</i> , 2004 , 37, 2861-2871	5.5	217
231	Photovoltaic devices fabricated from an aqueous dispersion of polyfluorene nanoparticles using an electroplating method. <i>Synthetic Metals</i> , 2004 , 147, 105-109	3.6	9
230	A microscopic view of charge transport in polymer transistors. <i>Synthetic Metals</i> , 2004 , 146, 297-309	3.6	75
229	Exciton regeneration at polymeric semiconductor heterojunctions. <i>Physical Review Letters</i> , 2004 , 92, 247402	7.4	375
228	34.1: Active Matrix Displays Made with Printed Polymer Thin Film Transistors. <i>Digest of Technical Papers SID International Symposium</i> , 2003 , 34, 1084	0.5	12
227	Solution-processed anodes from layer-structure materials for high-efficiency polymer light-emitting diodes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 5998-6007	16.4	100
226	Inkjet printing of polymer thin film transistors. <i>Thin Solid Films</i> , 2003 , 438-439, 279-287	2.2	225
225	Surface conditioning of indium-tin oxide anodes for organic light-emitting diodes. <i>Thin Solid Films</i> , 2003 , 445, 358-366	2.2	80
224	Synthesis and characterisation of new acetylide-functionalised aromatic and hetero-aromatic ligands and their dinuclear platinum complexes. <i>Dalton Transactions</i> , 2003 , 65-73	4.3	48
223	Attaching perylene dyes to polyfluorene: three simple, efficient methods for facile color tuning of light-emitting polymers. <i>Journal of the American Chemical Society</i> , 2003 , 125, 437-43	16.4	418
222	Self-aligned, vertical-channel, polymer field-effect transistors. <i>Science</i> , 2003 , 299, 1881-4	33.3	482
221	Formation of the accumulation layer in polymer field-effect transistors. <i>Applied Physics Letters</i> , 2003 , 82, 1482-1484	3.4	51
220	Influence of the Molecular Weight on the Thermotropic Alignment of Thin Liquid Crystalline Polyfluorene Copolymer Films. <i>Macromolecules</i> , 2003 , 36, 2838-2844	5.5	90

219	Effect of interchain interactions on the absorption and emission of poly(3-hexylthiophene). <i>Physical Review B</i> , 2003 , 67,	3.3	767
218	Oligoethyleneoxide functionalised sexithiophene organic field effect transistors. <i>Synthetic Metals</i> , 2003 , 137, 885-886	3.6	24
217	Increased efficiency in vertically segregated thin-film conjugated polymer blends for light-emitting diodes. <i>Applied Physics Letters</i> , 2003 , 82, 299-301	3.4	91
216	Close look at charge carrier injection in polymer field-effect transistors. <i>Journal of Applied Physics</i> , 2003 , 94, 6129-6137	2.5	458
215	Synthesis and optical characterisation of platinum(II) poly-yne polymers incorporating substituted 1,4-diethynylbenzene derivatives and an investigation of the intermolecular interactions in the diethynylbenzene molecular precursors. <i>New Journal of Chemistry</i> , 2003 , 27, 140-149	3.6	47
214	Electronic line-up in light-emitting diodes with alkali-halide/metal cathodes. <i>Journal of Applied Physics</i> , 2003 , 93, 6159-6172	2.5	135
213	Polarization of singlet and triplet excited states in a platinum-containing conjugated polymer. <i>Physical Review B</i> , 2003 , 67,	3.3	18
212	Solution-processed niobium diselenide as conductor and anode for polymer light-emitting diodes. <i>Applied Physics Letters</i> , 2003 , 82, 1123-1125	3.4	15
211	Organic Thin Film Photovoltaic Devices from Discotic Materials. <i>Molecular Crystals and Liquid Crystals</i> , 2003 , 396, 73-90	0.5	48
210	Fast exciton diffusion in chiral stacks of conjugated p-phenylene vinylene oligomers. <i>Physical Review B</i> , 2003 , 68,	3.3	66
209	Ultrafast investigation of exciton dissociation processes in polymeric semiconductors at high pump fluence. <i>Springer Series in Chemical Physics</i> , 2003 , 377-379	0.3	
208	Cyclodextrin-threaded conjugated polyrotaxanes as insulated molecular wires with reduced interstrand interactions. <i>Nature Materials</i> , 2002 , 1, 160-4	27	419
207	Structural characterisation of a series of acetylide-functionalised oligopyridines and the synthesis, characterisation and optical spectroscopy of platinum di-ynes and poly-ynes containing oligopyridyl linker groups in the backbone. <i>Dalton Transactions RSC</i> , 2002 , 1358-1368		72
206	The singlet-triplet energy gap in organic and Pt-containing phenylene ethynylene polymers and monomers. <i>Journal of Chemical Physics</i> , 2002 , 116, 9457-9463	3.9	144
205	Inorganic solution-processed hole-injecting and electron-blocking layers in polymer light-emitting diodes. <i>Journal of Applied Physics</i> , 2002 , 92, 7556-7563	2.5	86
204	Improved efficiency of light-emitting diodes based on polyfluorene blends upon insertion of a poly(p-phenylene vinylene) electron- confinement layer. <i>Applied Physics Letters</i> , 2002 , 80, 2436-2438	3.4	98
203	Exciton and polaron dynamics in a step-ladder polymeric semiconductor: the influence of interchain order. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 9803-9824	1.8	37
202	Cathodes incorporating thin fluoride layers for efficient injection in blue polymer light-emitting diodes 2002 ,		1

201	L-4: Late-New Paper: Active-Matrix Operation of Electrophoretic Devices with Inkjet-Printed Polymer Thin Film Transistors. <i>Digest of Technical Papers SID International Symposium, 2002</i> , 33, 1017	0.5	5
200	Ultrathin Regioregular Poly(3-hexyl thiophene) Field-Effect Transistors. <i>Langmuir, 2002</i> , 18, 10176-10182		148
199	Efficient light harvesting in a photovoltaic diode composed of a semiconductor conjugated copolymer blend. <i>Applied Physics Letters, 2002</i> , 80, 2204-2206	3.4	50
198	The origin of the open-circuit voltage in polyfluorene-based photovoltaic devices. <i>Journal of Applied Physics, 2002</i> , 92, 4266-4270	2.5	202
197	Charge Generation Kinetics and Transport Mechanisms in Blended Polyfluorene Photovoltaic Devices. <i>Nano Letters, 2002</i> , 2, 1353-1357	11.5	205
196	Vertically segregated polymer-blend photovoltaic thin-film structures through surface-mediated solution processing. <i>Applied Physics Letters, 2002</i> , 80, 1695-1697	3.4	186
195	Synthesis, characterisation and electronic properties of a series of platinum(II) poly-ynes containing novel thienyl-pyridine linker groups. <i>Dalton Transactions RSC, 2002</i> , 2441-2448		44
194	Interchain vs. intrachain energy transfer in acceptor-capped conjugated polymers. <i>Proceedings of the National Academy of Sciences of the United States of America, 2002</i> , 99, 10982-7	11.5	328
193	Electronic and electrical transport properties of conjugated polymer nanocomposites: Poly(p-phenylenevinylene) with homogeneously dispersed silica nanoparticles. <i>Journal of Chemical Physics, 2002</i> , 116, 6782-6794	3.9	37
192	Noncontact potentiometry of polymer field-effect transistors. <i>Applied Physics Letters, 2002</i> , 80, 2913-2915	3.5	306
191	Fluorescence scanning near-field optical microscopy of polyfluorene composites. <i>Journal of Microscopy, 2001</i> , 202, 433-8	1.9	28
190	Optical Signature of Delocalized Polarons in Conjugated Polymers. <i>Advanced Functional Materials, 2001</i> , 11, 229-234	15.6	139
189	Transfer Processes in Semiconducting Polymer-Porphyrin Blends. <i>Advanced Materials, 2001</i> , 13, 44-47	24	101
188	De-mixing of Polyfluorene-Based Blends by Contact with Acetone: Electro- and Photo-luminescence Probes. <i>Advanced Materials, 2001</i> , 13, 810-814	24	63
187	Inkjet Printed Via-Hole Interconnections and Resistors for All-Polymer Transistor Circuits. <i>Advanced Materials, 2001</i> , 13, 1601-1605	24	312
186	Self-organized discotic liquid crystals for high-efficiency organic photovoltaics. <i>Science, 2001</i> , 293, 1119-1123	33.3	2132
185	Spin-dependent exciton formation in pi-conjugated compounds. <i>Nature, 2001</i> , 413, 828-31	50.4	420
184	ESR Observation of Optically-Generated Polarons in Conjugated Electroluminescent Polymers. <i>Molecular Crystals and Liquid Crystals, 2001</i> , 371, 159-162		4

183	6.1: Invited Paper: All-Polymer Thin Film Transistors Fabricated by High-Resolution Ink-jet Printing. <i>Digest of Technical Papers SID International Symposium</i> , 2001 , 32, 40	0.5	5
182	Photoluminescence of poly(p-phenylenevinylene)/silica nanocomposites: Evidence for dual emission by Franck-Condon analysis. <i>Journal of Chemical Physics</i> , 2001 , 115, 2709-2720	3.9	85
181	Efficient exciton dissociation via two-step photoexcitation in polymeric semiconductors. <i>Physical Review B</i> , 2001 , 64,	3.3	94
180	Effects of aggregation on the excitation transfer in perylene-end-capped polyindeno[1,2,3-cd]fluorene studied by time-resolved photoluminescence spectroscopy. <i>Physical Review B</i> , 2001 , 64,	3.3	44
179	Optical spectroscopy of field-induced charge in self-organized high mobility poly(3-hexylthiophene). <i>Physical Review B</i> , 2001 , 63,	3.3	236
178	Photovoltaic Performance and Morphology of Polyfluorene Blends: A Combined Microscopic and Photovoltaic Investigation. <i>Macromolecules</i> , 2001 , 34, 6005-6013	5.5	350
177	Efficient electron injection in blue-emitting polymer light-emitting diodes with LiF/Ca/Al cathodes. <i>Applied Physics Letters</i> , 2001 , 79, 174-176	3.4	134
176	Exciton dissociation mechanisms in the polymeric semiconductors poly(9,9-dioctylfluorene) and poly(9,9-dioctylfluorene-co-benzothiadiazole). <i>Physical Review B</i> , 2001 , 63,	3.3	258
175	Near-infrared electroluminescence of polymer light-emitting diodes doped with a lissamine-sensitized Nd ³⁺ complex. <i>Applied Physics Letters</i> , 2001 , 78, 2122-2124	3.4	126
174	Faster energy transfer and control of the luminescence in blends of an orange-emitting poly(p-phenylenevinylene) and a red-emitting tetraphenylporphyrin. <i>Journal of Materials Chemistry</i> , 2001 , 11, 278-283		49
173	Ultrafast charge photogeneration in conjugated polymer thin films. <i>Synthetic Metals</i> , 2001 , 116, 9-13	3.6	24
172	The energy gap law for triplet states in Pt-containing conjugated polymers and monomers. <i>Journal of the American Chemical Society</i> , 2001 , 123, 9412-7	16.4	415
171	Design of Luminescent Polymers for Leds. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 708, 521		
170	Photodiodes Based on Polyfluorene Composites: Influence of Morphology. <i>Advanced Materials</i> , 2000 , 12, 498-502	24	255
169	Electron Trapping in Dye/Polymer Blend Photovoltaic Cells. <i>Advanced Materials</i> , 2000 , 12, 1270-1274	24	349
168	Excited-state absorption in luminescent conjugated polymer thin films: ultrafast studies of processable polyindeno[1,2,3-cd]fluorene derivatives. <i>Chemical Physics Letters</i> , 2000 , 319, 494-500	2.5	28
167	Molecular-scale interface engineering for polymer light-emitting diodes. <i>Nature</i> , 2000 , 404, 481-4	50.4	704
166	Synthesis of porphyrin-PPV copolymers for application in LEDs. <i>Journal of Materials Science: Materials in Electronics</i> , 2000 , 11, 97-103	2.1	15

165	Mobility enhancement in conjugated polymer field-effect transistors through chain alignment in a liquid-crystalline phase. <i>Applied Physics Letters</i> , 2000 , 77, 406-408	3.4	706
164	Efficient blue-green light emitting poly(1,4-phenylene vinylene) copolymers. <i>Chemical Communications</i> , 2000 , 291-292	5.8	19
163	Triplet states in a series of Pt-containing ethynyls. <i>Journal of Chemical Physics</i> , 2000 , 113, 7627-7634	3.9	137
162	Analysis of the turn-off dynamics in polymer light-emitting diodes. <i>Applied Physics Letters</i> , 2000 , 76, 1137-1139	3.4	139
161	Use of multiple electrical pulses to study charge transport in polymer light-emitting diodes. <i>Applied Physics Letters</i> , 2000 , 77, 1493-1495	3.4	7
160	Grazing emitted light from films of derivative polymer of polyfluorene. <i>Synthetic Metals</i> , 2000 , 111-112, 583-586	3.6	23
159	A novel RGB multicolor light-emitting polymer display. <i>Synthetic Metals</i> , 2000 , 111-112, 125-128	3.6	96
158	Role of indium chloride on the luminescence properties of PPV. <i>Synthetic Metals</i> , 2000 , 111-112, 549-552	3.6	5
157	High-resolution inkjet printing of all-polymer transistor circuits. <i>Science</i> , 2000 , 290, 2123-6	33.3	2847
156	Electric field distribution in polymer light-emitting electrochemical cells. <i>Physical Review Letters</i> , 2000 , 85, 421-4	7.4	61
155	The copolymer route to new luminescent materials for LEDs. <i>Macromolecular Symposia</i> , 2000 , 154, 177-188	3.6	6
154	LiF/Al cathodes and the effect of LiF thickness on the device characteristics and built-in potential of polymer light-emitting diodes. <i>Applied Physics Letters</i> , 2000 , 77, 3096-3098	3.4	139
153	Electroluminescence emission pattern of organic light-emitting diodes: Implications for device efficiency calculations. <i>Journal of Applied Physics</i> , 2000 , 88, 1073-1081	2.5	379
152	Synthesis of New Building Blocks for Light Emitting Polymers. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 660, 1		
151	Surface energy and polarity of treated indium oxide anodes for polymer light-emitting diodes studied by contact-angle measurements. <i>Journal of Applied Physics</i> , 1999 , 86, 2774-2778	2.5	136
150	High-mobility conjugated polymer field-effect transistors 1999 , 101-110		42
149	Evolution of lowest singlet and triplet excited states with number of thienyl rings in platinum polyynes. <i>Journal of Chemical Physics</i> , 1999 , 110, 4963-4970	3.9	211
148	Luminescence properties of poly(p-phenylenevinylene): Role of the conversion temperature on the photoluminescence and electroluminescence efficiencies. <i>Journal of Applied Physics</i> , 1999 , 85, 1784-1791	2.5	34

147	Electroluminescence in conjugated polymers. <i>Nature</i> , 1999 , 397, 121-128	50.4	5245
146	Two-dimensional charge transport in self-organized, high-mobility conjugated polymers. <i>Nature</i> , 1999 , 401, 685-688	50.4	3980
145	Harvesting Singlet and Triplet Energy in Polymer LEDs. <i>Advanced Materials</i> , 1999 , 11, 285-288	24	316
144	Transient electroluminescence of polymer light emitting diodes using electrical pulses. <i>Journal of Applied Physics</i> , 1999 , 86, 5116-5130	2.5	218
143	All-polymer optoelectronic devices. <i>Science</i> , 1999 , 285, 233-6	33.3	255
142	Improved operational stability of polyfluorene-based organic light-emitting diodes with plasma-treated indium tin oxide anodes. <i>Applied Physics Letters</i> , 1999 , 74, 3084-3086	3.4	192
141	Light-emitting devices based on a poly(p-phenylene vinylene) derivative with ion-coordinating side groups. <i>Journal of Applied Physics</i> , 1999 , 86, 6392-6395	2.5	49
140	Doped conducting-polymer/semiconducting-polymer interfaces: Their use in organic photovoltaic devices. <i>Physical Review B</i> , 1999 , 60, 1854-1860	3.3	99
139	Built-in field electroabsorption spectroscopy of polymer light-emitting diodes incorporating a doped poly(3,4-ethylene dioxothiophene) hole injection layer. <i>Applied Physics Letters</i> , 1999 , 75, 1679-1681	3.4	451
138	Charge- and energy-transfer processes at polymer/polymer interfaces: A joint experimental and theoretical study. <i>Physical Review B</i> , 1999 , 60, 5721-5727	3.3	254
137	Versatile Syntheses of Various Homo- and Copolymers of Poly(1,4-Arylene Vinylene)S. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 598, 118		
136	Precision and control in polymer synthesis why it's important and some recent examples of how to do it. <i>Macromolecular Symposia</i> , 1999 , 143, 81-93	0.8	3
135	Synthesis and Electronic Structure of Platinum-Containing Polyynes with Aromatic and Heteroaromatic Rings. <i>Macromolecules</i> , 1998 , 31, 722-727	5.5	160
134	Ionic space-charge effects in polymer light-emitting diodes. <i>Physical Review B</i> , 1998 , 57, 12951-12963	3.3	301
133	Charge separation in localized and delocalized electronic states in polymeric semiconductors. <i>Nature</i> , 1998 , 392, 903-906	50.4	299
132	Laminated fabrication of polymeric photovoltaic diodes. <i>Nature</i> , 1998 , 395, 257-260	50.4	1145
131	A molecular metal with ion-conducting channels. <i>Nature</i> , 1998 , 394, 159-162	50.4	150
130	High Peak Brightness Polymer Light-Emitting Diodes. <i>Advanced Materials</i> , 1998 , 10, 64-68	24	156

129	Ultrathin Self-Assembled Layers at the ITO Interface to Control Charge Injection and Electroluminescence Efficiency in Polymer Light-Emitting Diodes. <i>Advanced Materials</i> , 1998 , 10, 769-774 ²⁴		163
128	Synthesis, Electrochemistry, and Spectroscopy of Blue Platinum(II) Polyynes and Diynes. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 3036-3039	16.4	150
127	Integrated optoelectronic devices based on conjugated polymers. <i>Science</i> , 1998 , 280, 1741-4	33.3	2436
126	Electro-optical Polythiophene Devices 1998 , 405-458		11
125	Indium Oxide treatments for single- and double-layer polymeric light-emitting diodes: The relation between the anode physical, chemical, and morphological properties and the device performance. <i>Journal of Applied Physics</i> , 1998 , 84, 6859-6870	2.5	559
124	Current heating in polymer light emitting diodes. <i>Applied Physics Letters</i> , 1998 , 73, 732-734	3.4	89
123	New luminescent polymers for leds and LECS. <i>Macromolecular Symposia</i> , 1998 , 125, 111-120	0.8	17
122	Factors Influencing Stimulated Emission from Poly(p-phenylenevinylene). <i>Physical Review Letters</i> , 1997 , 78, 733-736	7.4	113
121	Recent developments in the controlled synthesis and manipulation of electroactive organic polymers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1997 , 355, 707-714	3	12
120	New Luminescent PPV Derivatives for Led Applications. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 488, 87		10
119	Effect of metal films on the photoluminescence and electroluminescence of conjugated polymers. <i>Physical Review B</i> , 1997 , 56, 1893-1905	3.3	233
118	Synthesis and Properties of Novel High-Electron-Affinity Polymers for Electroluminescent Devices. <i>ACS Symposium Series</i> , 1997 , 322-344	0.4	11
117	Efficient blue LEDs from a partially conjugated Si-containing PPV copolymer in a double-layer configuration. <i>Advanced Materials</i> , 1997 , 9, 127-131	24	63
116	An improved experimental determination of external photoluminescence quantum efficiency. <i>Advanced Materials</i> , 1997 , 9, 230-232	24	1591
115	Spectral narrowing in optically pumped poly(p-phenylenevinylene) Films. <i>Advanced Materials</i> , 1997 , 9, 547-551	24	112
114	Crystal Structure and Magnetism of (BEDT-TTF) ₂ MCl ₄ (BEDT-TTF = Bis(ethylenedithio)tetrathiafulvalene; M = Ga, Fe). <i>Inorganic Chemistry</i> , 1996 , 35, 4719-4726	5.1	32
113	Semiconductor Device Physics of Conjugated Polymers. <i>Solid State Physics</i> , 1996 , 49, 1-149	2	87
112	Exciton diffusion and dissociation in a poly(p-phenylenevinylene)/C ₆₀ heterojunction photovoltaic cell. <i>Applied Physics Letters</i> , 1996 , 68, 3120-3122	3.4	714

111	Efficient green electroluminescent diodes based on poly (2-dimethyloctylsilyl-1,4-phenylenevinylene). <i>Advanced Materials</i> , 1996 , 8, 979-982	24	63
110	Intermolecular interactions in the molecular ferromagnetic NH ₄ Ni(mnt) ₂ ·H ₂ O. <i>Nature</i> , 1996 , 380, 144-146.4	342	
109	Lasing from conjugated-polymer microcavities. <i>Nature</i> , 1996 , 382, 695-697	50.4	1179
108	Singlet Intrachain Exciton Generation and Decay in Poly (p-phenylenevinylene). <i>Physical Review Letters</i> , 1996 , 77, 1881-1884	7.4	165
107	Spatial extent of the singlet and triplet excitons in transition metal-containing poly-ynes. <i>Journal of Chemical Physics</i> , 1996 , 105, 3868-3877	3.9	157
106	Site-selective fluorescence studies of poly(p-phenylene vinylene) and its derivatives. <i>Physical Review B</i> , 1996 , 53, 15815-15822	3.3	71
105	Efficient green light-emitting diodes from a phenylated derivative of poly(p-phenylenevinylene). <i>Applied Physics Letters</i> , 1996 , 69, 3794-3796	3.4	40
104	Emission enhancement in single-layer conjugated polymer microcavities. <i>Journal of Applied Physics</i> , 1996 , 80, 207-215	2.5	76
103	Efficient photodiodes from interpenetrating polymer networks. <i>Nature</i> , 1995 , 376, 498-500	50.4	2859
102	Theoretical investigation of the lowest singlet and triplet states in poly(paraphenylene vinylene)oligomers. <i>Journal of Chemical Physics</i> , 1995 , 102, 2042-2049	3.9	161
101	Charge transport polymers for light emitting diodes*. <i>Advanced Materials</i> , 1995 , 7, 898-900	24	74
100	Transport evidence for new phase changes in 1T-TaS ₂ after intercalation with hydrazine. <i>Journal of Physics Condensed Matter</i> , 1994 , 6, 3533-3538	1.8	0
99	Crystal and electronic structures and electrical, magnetic, and optical properties of two copper tetrahalide salts of bis(ethylenedithio)-tetrathiafulvalene. <i>Physical Review B</i> , 1994 , 50, 2118-2127	3.3	30
98	Optical spectroscopy of platinum and palladium containing poly-ynes. <i>Journal of Chemical Physics</i> , 1994 , 101, 2693-2698	3.9	113
97	Angular Dependence of the Emission from a Conjugated Polymer Light-Emitting Diode: Implications for efficiency calculations. <i>Advanced Materials</i> , 1994 , 6, 491-494	24	524
96	Synthesis and optical spectroscopy of linear long-chain di-terminal alkynes and their Pt acetylide polymeric complexes. <i>Journal of Materials Chemistry</i> , 1994 , 4, 1227-1232		98
95	The photovoltaic response in poly(p-phenylene vinylene) thin-film devices. <i>Journal of Physics Condensed Matter</i> , 1994 , 6, 1379-1394	1.8	260
94	Optical spectroscopy of highly ordered poly(p-phenylene vinylene). <i>Journal of Physics Condensed Matter</i> , 1993 , 5, 7155-7172	1.8	209

93	Cyano-Derivatives of Poly(P-Phenylene Vinylene) For use in Thin-Film Light-Emitting Diodes. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 328, 351		8
92	Efficient light-emitting diodes based on polymers with high electron affinities. <i>Nature</i> , 1993 , 365, 628-630	30.4	1520
91	Conjugated Polymer Light-emitting Diodes 1993 , 87-106		45
90	Poly(p-phenylenevinylene) light-emitting diodes: Enhanced electroluminescent efficiency through charge carrier confinement. <i>Applied Physics Letters</i> , 1992 , 61, 2793-2795	3.4	613
89	Electroluminescence-detected magnetic-resonance study of polyparaphenylenevinylene (PPV)-based light-emitting diodes. <i>Physical Review B</i> , 1992 , 46, 15072-15077	3.3	117
88	Photoinduced absorption and photoluminescence in poly(2,5-dimethoxy-p-phenylene vinylene). <i>Physical Review B</i> , 1992 , 46, 7379-7389	3.3	86
87	Properties of low-Dimensional metals at high pressure. <i>High Pressure Research</i> , 1992 , 8, 391-395	1.6	
86	Light-Emitting Diodes Based on Conjugated Polymers: Control of Colour and Efficiency. <i>Materials Research Society Symposia Proceedings</i> , 1992 , 247, 647		65
85	Chemical tuning of electroluminescent copolymers to improve emission efficiencies and allow patterning. <i>Nature</i> , 1992 , 356, 47-49	50.4	673
84	Femtosecond Optical Absorption in Conjugated Polymers. <i>Springer Series in Solid-state Sciences</i> , 1992 , 162-166	0.4	2
83	Optical and Electronic Properties of a Highly Disordered Form of Polyacetylene [Distinguishing Between Localized Defects and Conformational Disorder]. <i>Springer Series in Solid-state Sciences</i> , 1992 , 238-241	0.4	3
82	Electro-Optic Properties of Precursor Route Poly(arylene vinylene) Polymers. <i>Springer Series in Solid-state Sciences</i> , 1992 , 304-309	0.4	19
81	Optical spectroscopy of photoinduced and field-induced excitations in polyacetylene prepared by the Durham 'photoisomer' route. <i>Journal of Physics Condensed Matter</i> , 1991 , 3, 3007-3021	1.8	6
80	Structural and electronic properties of Cs(Pd(dmit) ₂) ₂ . <i>Journal of Physics Condensed Matter</i> , 1991 , 3, 933-954	1.8	40
79	Femtosecond optical absorption in poly(3-alkyl thienylene)s. <i>Physical Review B</i> , 1991 , 44, 9731-9734	3.3	12
78	Optical spectroscopy of field-induced charge in poly(3-hexyl thienylene) metal-insulator-semiconductor structures: Evidence for polarons. <i>Physical Review Letters</i> , 1991 , 66, 2231-2234	7.4	203
77	Photophysical properties of solid films of fullerene, C ₆₀ . <i>Journal of Physics Condensed Matter</i> , 1991 , 3, 9259-9270	1.8	79
76	Synthesis and optical spectroscopy of platinum-metal-containing di- and tri-acetylenic polymers. <i>Journal of Materials Chemistry</i> , 1991 , 1, 485		63

75	Light-emitting diodes based on conjugated polymers. <i>Nature</i> , 1990 , 347, 539-541	50.4	9967
74	Synthesis and material and electronic properties of conjugated polymers. <i>Journal of Materials Science</i> , 1990 , 25, 3796-3805	4.3	34
73	Photoexcited states in poly(3-alkyl thienylenes). <i>Journal of Physics Condensed Matter</i> , 1990 , 2, 5465-5477	1.8	63
72	Photoexcited states in poly(p-phenylene vinylene): Comparison with trans,trans-distyrylbenzene, a model oligomer. <i>Physical Review B</i> , 1990 , 42, 11670-11681	3.3	263
71	Optical excitations in poly(2,5-thienylene vinylene). <i>Physical Review B</i> , 1990 , 41, 10586-10594	3.3	70
70	Semiconductor Device Physics in Conjugated Polymers 1990 , 221-245		5
69	Characterisation of Poly(P-Phenylene Vinylene) [PPV] Prepared by Different Precursor Routes. <i>NATO ASI Series Series B: Physics</i> , 1990 , 393-399		
68	Pressure Dependence of the Transport Properties of β (BEDT-TTF) $_2$ Cu(NCS) $_2$. <i>Springer Proceedings in Physics</i> , 1990 , 272-275	0.2	
67	Photoexcitation in Durham-route polyacetylene: Self-localization and charge transport. <i>Physical Review B</i> , 1989 , 40, 3112-3120	3.3	61
66	Light-induced luminescence quenching in precursor-route poly(p-phenylene vinylene). <i>Journal of Physics Condensed Matter</i> , 1989 , 1, 3671-3678	1.8	96
65	Pressure dependence of the transport properties of the molecular superconductor, β (BEDT TTF) $_2$ Cu(NCS) $_2$. <i>Journal of Physics Condensed Matter</i> , 1989 , 1, 4479-4484	1.8	23
64	High-pressure transport measurements of β BEDT-TTF salts. <i>Journal of Physics Condensed Matter</i> , 1989 , 1, 5681-5688	1.8	35
63	The magnetic susceptibility and EPR of the organic conductors β (BEDT-TTF) $_2$ X, X=AuBr $_2$, CuCl $_2$ and Ag(CN) $_2$. <i>Journal of Physics Condensed Matter</i> , 1989 , 1, 5671-5680	1.8	59
62	Photoexcitations in Poly(2,5-Thienylene Vinylene). <i>Materials Research Society Symposia Proceedings</i> , 1989 , 173, 637		1
61	Resonance Raman Spectroscopy of Accumulation Layers in Durham-Route Polyacetylene. <i>Springer Series in Solid-state Sciences</i> , 1989 , 127-131	0.4	3
60	New semiconductor device physics in polymer diodes and transistors. <i>Nature</i> , 1988 , 335, 137-141	50.4	586
59	(BEDT-TTF) $_2$ CuCl $_2$, a new conducting charge transfer salt. <i>Synthetic Metals</i> , 1988 , 22, 415-418	3.6	20
58	Preparation and solid-state characterization of the 7,7,8,8-tetracyano-p-quinodimethanide salt of the bis(triphenylphosphoranylidinium) cation: (PPN) $_2$ (TCNQ) $_3$ (MeCN) $_2$. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1988 , 1151		5

57	Mechanism for photogeneration of metastable charged solitons in polyacetylene. <i>Physical Review B</i> , 1988 , 38, 3960-3965	3-3	35
56	Transport and magnetic measurements on $\text{Bi}_{2+x}\text{Ca}_{1-x}\text{Sr}_2\text{Cu}_2\text{O}_8$. <i>Journal of Physics C: Solid State Physics</i> , 1988 , 21, L529-L534		5
55	The pressure dependence of the transport properties of $\text{YBa}_2\text{Cu}_3\text{O}_7$. <i>Journal of Physics C: Solid State Physics</i> , 1988 , 21, L345-L352		53
54	Photo-excitation in conjugated polymers. <i>Journal Physics D: Applied Physics</i> , 1987 , 20, 1367-1384	3	299
53	Transport and optical properties of the hydrazine intercalation complexes of TiS_2 , TiSe_2 and ZrS_2 . <i>Journal of Physics C: Solid State Physics</i> , 1987 , 20, 4181-4200		17
52	Metallic properties of lithium-intercalated ZrS_2 . <i>Journal of Physics C: Solid State Physics</i> , 1987 , 20, 4105-4114		12
51	Transport properties of Li_xTiS_2 . <i>Journal of Physics C: Solid State Physics</i> , 1987 , 20, 4169-4179		30
50	Neutral photo-excitations in oriented polyacetylene. <i>Journal of Physics C: Solid State Physics</i> , 1987 , 20, 4221-4228		18
49	Conformational defects in Durham polyacetylene: photo-induced IR absorption. <i>Journal of Physics C: Solid State Physics</i> , 1987 , 20, 6013-6023		19
48	The Hall effect and resistivity of amorphous copper-titanium alloys. <i>Journal of Physics F: Metal Physics</i> , 1987 , 17, 1739-1749		11
47	Transport and Raman studies of the group IV layered compounds and their lithium intercalates: Li_xTiS_2 , Li_xTiSe_2 , Li_xZrS_2 , Li_xZrSe_2 , Li_xHfS_2 and Li_xHfSe_2 . <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1987 , 56, 531-559		19
46	Photo-emission and transport studies of $\text{Hf}_x\text{Ti}_{1-x}\text{Se}_2$ alloys. <i>Journal of Physics C: Solid State Physics</i> , 1987 , 20, 1483-1493		6
45	Correlation between conjugation length and non-radiative relaxation rate in poly(p-phenylene vinylene): a picosecond photoluminescence study. <i>Journal of Physics C: Solid State Physics</i> , 1987 , 20, L187-L194		72
44	Localized phonons associated with solitons in polyacetylene: Coupling to the nonuniform mode. <i>Physical Review B</i> , 1987 , 36, 7537-7541	3-3	42
43	Polarization dependence of transient photoconductivity in trans-polyacetylene. <i>Physical Review B</i> , 1987 , 36, 4296-4300	3-3	32
42	Transport and magnetic properties of $\text{Ag}_{1/3}\text{TiS}_2$. <i>Journal of Physics C: Solid State Physics</i> , 1987 , 20, 271-276		23
41	A new low-dimensional metal, $\text{Cs}[\text{Pd}(\text{SC}(\text{CN}))_2]_0.5\text{HO}$. <i>Nature</i> , 1986 , 324, 547-549	50-4	33
40	Electronic properties of HfTe_2 . <i>Journal of Physics C: Solid State Physics</i> , 1986 , 19, 4953-4963		21

- 39 Magnetic properties of the organic superconductor (BEDT-TTF)₂AuI₂. *Journal of Physics C: Solid State Physics*, **1986**, 19, L383-L388 14
- 38 Temperature measurement in high pressure cells using a rhodium +0.5% iron-chromel thermocouple pair. *Journal of Physics E: Scientific Instruments*, **1986**, 19, 430-433 16
- 37 Localization in the Peierls gap. *The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties*, **1985**, 52, 611-642 6
- 36 Hopping Conductivity in The Peierls Gap In Hydrazine Intercalated TaS₂. *Molecular Crystals and Liquid Crystals*, **1985**, 121, 153-156 1
- 35 Increase in chain conjugation length in highly oriented Durham-route polyacetylene. *Journal of Physics C: Solid State Physics*, **1985**, 18, L283-L289 35
- 34 Semiconductor to semimetal transition in TiS₂ at 40 kbar. *Journal of Physics C: Solid State Physics*, **1984**, 17, 2713-2734 82
- 33 An optical study of the arsenic pentafluoride doping of poly(p-phenylene sulphide): polaron and bipolaron transitions. *Journal of the Chemical Society Chemical Communications*, **1984**, 1101 25
- 32 Transport and Raman Investigation of the Group IV Layered Compounds and their Lithium Intercalates **1984**, 549-559 3
- 31 Temperature dependence of the unit cell of (TMTSF)₂ReO₄ through the metal-insulator transition. *Journal of Physics C: Solid State Physics*, **1983**, 16, 691-698 9
- 30 Stoichiometry effects in angle -resolved photoemission and transport studies of Ti_{1+x}S₂. *Journal of Physics C: Solid State Physics*, **1983**, 16, 393-402 82
- 29 High-pressure transport properties of TiS₂ and TiSe₂. *Journal of Physics C: Solid State Physics*, **1982**, 15, 2183-2192 34
- 28 Magnetic susceptibility of hydrazine intercalated TiSe₂. *Journal of Physics C: Solid State Physics*, **1982**, 15, L1251-L1255 6
- 27 Transport and optical properties of the hydrazine intercalation complexes of 1T-TaS₂. *Journal of Physics C: Solid State Physics*, **1982**, 15, 477-493 14
- 26 The transport properties of hydrazine-intercalated TiSe₂. *Journal of Physics C: Solid State Physics*, **1982**, 15, 4367-4378 17
- 25 The transport properties of vanadium-doped TiSe₂ under pressure. *Journal of Physics C: Solid State Physics*, **1982**, 15, L871-L874 2
- 24 Magnetic properties of the hydrazine intercalation complexes of 1T-TaS₂. *Journal of Physics C: Solid State Physics*, **1982**, 15, L1245-L1249 9
- 23 Stoichiometry dependence of the transport properties of TiS₂. *Journal of Physics C: Solid State Physics*, **1981**, 14, 4067-4081 105
- 22 Transport properties of VSe₂ intercalated with hydrazine. *Journal of Physics C: Solid State Physics*, **1981**, 14, L1055-L1060 8

21	Model for the impurity-induced stabilization of the intermediate phase in Ti4O7. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1980 , 42, 479-484		4
20	Design of an alternating current source for resistivity and Hall effect measurements. <i>Journal of Physics E: Scientific Instruments</i> , 1980 , 13, 294-297		16
19	3d transition-metal intercalates of the niobium and tantalum dichalcogenides. II. Transport properties. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1980 , 41, 95-112		78
18	3d transition-metal intercalates of the niobium and tantalum dichalcogenides. I. Magnetic properties. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1980 , 41, 65-93		159
17	Infra-red studies of TiSe2: IR phonons and free carriers. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1979 , 39, 133-146		36
16	Periodic lattice distortions and charge density waves in one- and two-dimensional metals. <i>Journal of Physics C: Solid State Physics</i> , 1979 , 12, 1441-1477		123
15	Stabilisation of the metallic state at low temperatures in HMTTF-TCNQ under pressure. <i>Journal of Physics C: Solid State Physics</i> , 1978 , 11, 263-275		31
14	Electrical resistivity anomaly in MoTe_2 (metallic behaviour). <i>Journal of Physics C: Solid State Physics</i> , 1978 , 11, L103-L105		58
13	Pressure Dependence of the Phase Transitions in Tetrathiafulvalene-Tetracyanoquinodimethane (TTF-TCNQ): Evidence for a Longitudinal Lockin at 20 kbar. <i>Physical Review Letters</i> , 1978 , 40, 1048-1051	7.4	117
12	The effect of irradiation of polymeric sulphur nitride with neutrons and heavy ions. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1978 , 37, 321-328		13
11	Periodic Lattice Distortions and Charge Density Waves in One- and Two-Dimensional Systems. <i>Springer Series in Solid-state Sciences</i> , 1978 , 199-215	0.4	
10	Electrical conductivity and charge density wave formation in 4HbTaS_2 under pressure. <i>Journal of Physics C: Solid State Physics</i> , 1977 , 10, 1013-1025		35
9	Electrical conductivity in polymeric sulphur nitride at high pressures. <i>Journal of Physics C: Solid State Physics</i> , 1977 , 10, 1001-1012		17
8	Electrical and magnetic properties of some first row transition metal intercalates of niobium disulphide. <i>Philosophical Magazine and Journal</i> , 1977 , 35, 1269-1287		94
7	The effect of pressure on the charge density wave transitions in 4H b TaS_2 . <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1977 , 38, 554-561		2
6	Semimetallic character of TiSe_2 and semiconductor character of TiS_2 under pressure. <i>Journal of Physics C: Solid State Physics</i> , 1977 , 10, L705-L708		81
5	Optical Applications	516-558	3
4	Toward Stable and Efficient Perovskite Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2109495	15.6	17

3	Microcavity-Like Exciton-Polaritons can be the Primary Photoexcitation in Bare Organic Semiconductors	3
2	Understanding the Role of Grain Boundaries on Charge-Carrier and Ion Transport in Cs ₂ AgBiBr ₆ Thin Films. <i>Advanced Functional Materials</i> ,2104981	15.6 8
1	Geminate and Nongeminate Pathways for Triplet Exciton Formation in Organic Solar Cells. <i>Advanced Energy Materials</i> ,2103944	21.8 3