

Zeev Valy Vardeny

List of Publications by Year in descending order

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184
docs citations

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9444
citing authors

#	ARTICLE	IF	CITATIONS
1	Printing Air-Stable High-Tc Molecular Magnet with Tunable Magnetic Interaction. Nano Letters, 2022, 22, 545-553.	9.1	4
2	Rashba splitting in organic-inorganic lead-halide perovskites revealed through two-photon absorption spectroscopy. Nature Communications, 2022, 13, 483.	12.8	31
3	Studies of Magnetic Field Effect on Ultrafast Dynamics of Photoexcitations in Donor-Acceptor Copolymers and Hybrid Organic/Inorganic Perovskites. , 2022, , 207-233.		0
4	Spintronic Devices Based on Hybrid Organic-Inorganic Perovskites. , 2022, , 87-112.		0
5	Transient quantum beatings of trions in hybrid organic tri-iodine perovskite single crystal. Nature Communications, 2022, 13, 1428.	12.8	15
6	Disorder-Induced Dispersive Magneto-Electroluminescence of Blue Emitters in Organic Light Emitting Diodes. Advanced Optical Materials, 2022, 10, .	7.3	5
7	Control of light, spin and charge with chiral metal halide semiconductors. Nature Reviews Chemistry, 2022, 6, 470-485.	30.2	58
8	Spin-Dependent Photovoltaic and Photogalvanic Responses of Optoelectronic Devices Based on Chiral Two-Dimensional Hybrid Organic-Inorganic Perovskites. ACS Nano, 2021, 15, 588-595.	14.6	85
9	Photocurrent in Metal-Halide Perovskite/Organic Semiconductor Heterostructures: Impact of Microstructure on Charge Generation Efficiency. ACS Applied Materials & Interfaces, 2021, 13, 10231-10238.	8.0	14
10	A Multi-Dimensional Perspective on Electronic Doping in Metal Halide Perovskites. ACS Energy Letters, 2021, 6, 1104-1123.	17.4	38
11	Chiral-induced spin selectivity enables a room-temperature spin light-emitting diode. Science, 2021, 371, 1129-1133.	12.6	340
12	Fabrication Method, Ferromagnetic Resonance Spectroscopy and Spintronics Devices Based on the Organic-Based Ferrimagnet Vanadium Tetracyanoethylene. Advanced Functional Materials, 2021, 31, 2100687.	14.9	9
13	Studies of photoexcitations in polymer/non-fullerene blend for high-efficiency organic solar cells. Applied Physics Letters, 2021, 118, 202109.	3.3	2
14	Proton switching molecular magnetoelectricity. Nature Communications, 2021, 12, 4602.	12.8	10
15	Observation of spatially resolved Rashba states on the surface of CH ₃ NH ₃ PbBr ₃ single crystals. Applied Physics Reviews, 2021, 8, .	11.3	12
16	Quantifying Exciton Heterogeneities in Mixed-Phase Organometal Halide Multiple Quantum Wells via Stark Spectroscopy Studies. ACS Applied Materials & Interfaces, 2020, 12, 52538-52548.	8.0	7
17	Isotope Effect in the Magneto-Optoelectronic Response of Organic Light-Emitting Diodes Based on Donor-Acceptor Exciplexes. Advanced Materials, 2020, 32, e2004421.	21.0	20
18	Circular dichroism in non-chiral metal halide perovskites. Nanoscale, 2020, 12, 18067-18078.	5.6	24

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19	Organic-to-inorganic structural chirality transfer in a 2D hybrid perovskite and impact on Rashba-Dresselhaus spin-orbit coupling. <i>Nature Communications</i> , 2020, 11, 4699.	12.8	200
20	Spin Wave Excitation, Detection, and Utilization in the Organic-Based Magnet, V(TCNE) (TCNE = Tetracyanoethylene). <i>Advanced Materials</i> , 2020, 32, e2002663.	21.0	17
21	Separation of Spin and Charge Transport in Pristine π -Conjugated Polymers. <i>Physical Review Letters</i> , 2020, 124, 067702.	7.8	14
22	Circular photogalvanic spectroscopy of Rashba splitting in 2D hybrid organic-inorganic perovskite multiple quantum wells. <i>Nature Communications</i> , 2020, 11, 323.	12.8	88
23	Ultrafast Transient Spectroscopy of Trans-Polyacetylene in the Midinfrared Spectral Range. <i>Physical Review Letters</i> , 2020, 124, 017401.	7.8	7
24	Magneto-electroluminescence response in 2D and 3D hybrid organic-inorganic perovskite light emitting diodes. <i>Journal of Chemical Physics</i> , 2020, 152, 044714.	3.0	11
25	Control of Whispering Gallery Modes and PT-Symmetry Breaking in Colloidal Quantum Dot Microdisk Lasers with Engineered Notches. <i>Nano Letters</i> , 2019, 19, 6049-6057.	9.1	13
26	Magneto-Electroluminescence Study of Fringe Field in Magnetic-Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30072-30078.	8.0	5
27	Surface-enhanced spin current to charge current conversion efficiency in CH ₃ NH ₃ PbBr ₃ -based devices. <i>Journal of Chemical Physics</i> , 2019, 151, 174709.	3.0	14
28	Tunable Spin Characteristic Properties in Spin Valve Devices Based on Hybrid Organic-Inorganic Perovskites. <i>Advanced Materials</i> , 2019, 31, e1904059.	21.0	40
29	Coupled Whispering Gallery Mode Resonators via Template-Assisted Assembly of Photoluminescent Microspheres. <i>Advanced Functional Materials</i> , 2019, 29, 1902520.	14.9	5
30	Reply to "Comment on "Optical detection of transverse spin-Seebeck effect in permalloy film using Sagnac interferometer microscopy". <i>Physical Review B</i> , 2019, 99, .	3.2	0
31	Studies of spin transport in fullerene films. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	16
32	Robust lasing modes in coupled colloidal quantum dot microdisk pairs using a non-Hermitian exceptional point. <i>Nature Communications</i> , 2019, 10, 561.	12.8	32
33	Spin-dependent charge transport through 2D chiral hybrid lead-iodide perovskites. <i>Science Advances</i> , 2019, 5, eaay0571.	10.3	275
34	Observation of exceptional points in magnonic parity-time symmetry devices. <i>Science Advances</i> , 2019, 5, eaax9144.	10.3	45
35	Spin-optoelectronic devices based on hybrid organic-inorganic trihalide perovskites. <i>Nature Communications</i> , 2019, 10, 129.	12.8	214
36	Optical studies of native defects in π -conjugated donor-acceptor copolymers. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	3

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37	Field-induced spin splitting and anomalous photoluminescence circular polarization in C_3N_3	3.2	26
38	Studies of spin related processes in fullerene C_{60} devices. Journal of Materials Chemistry C, 2018, 6, 3621-3627.	5.5	23
39	The Magnetic Field Effect in Organic Films and Devices; Application of the Spin Pair Model. Materials and Energy, 2018, , 1-38.	0.1	0
40	Magnetic Field Effects in Organic and Hybrid Materials with Spin-Orbit Coupling. Materials and Energy, 2018, , 339-375.	0.1	0
41	Giant Magnetoresistance in Organic Spin Valves. Materials and Energy, 2018, , 1-62.	0.1	1
42	Ultrafast frequency-agile terahertz devices using methylammonium lead halide perovskites. Science Advances, 2018, 4, eaar7353.	10.3	56
43	Spintronics Detection of Interfacial Magnetic Switching in a Paramagnetic Tris(8-hydroxyquinoline)iron(III) Thin Film. Materials and Energy, 2018, , 167-199.	0.1	2
44	Long-range transverse spin Seebeck effect in permalloy stripes using Sagnac interferometer microscopy. Journal Physics D: Applied Physics, 2018, 51, 134003.	2.8	6
45	Organic-based magnon spintronics. Nature Materials, 2018, 17, 308-312.	27.5	65
46	Triplet exciton fine structure in Pt-rich polymers studied by circularly polarized emission under high magnetic field. Physical Review B, 2018, 98, .	3.2	1
47	Topological Insulator-Based van der Waals Heterostructures for Effective Control of Massless and Massive Dirac Fermions. Nano Letters, 2018, 18, 8047-8053.	9.1	25
48	Enhanced Charge Transport in Hybrid Perovskite Field-Effect Transistors via Microstructure Control. Advanced Electronic Materials, 2018, 4, 1800316.	5.1	52
49	Multiphoton Microscopy of π -Conjugated Copolymers and Copolymer/Fullerene Blends for Organic Photovoltaic Applications. ACS Applied Materials & Interfaces, 2018, 10, 31813-31823.	8.0	5
50	Large-Area Lasing and Multicolor Perovskite Quantum Dot Patterns. Advanced Optical Materials, 2018, 6, 1800474.	7.3	95
51	High-Field Magnetoresistance of Organic Semiconductors. Physical Review Applied, 2018, 10, .	3.8	14
52	Electronic and vibrational spectroscopy studies of PffBT4T π -conjugated donor-acceptor copolymer. Journal of Photonics for Energy, 2018, 8, 1.	1.3	5
53	Light-controlled spintronic device based on hybrid organic-inorganic perovskites. Journal of Photonics for Energy, 2018, 8, 1.	1.3	5
54	Long-lived-correlated triplet-pair state in an imide substituted poly-thienylene vinylene-based π -conjugated polymer. Journal of Photonics for Energy, 2018, 8, 1.	1.3	2

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55	Spectral and directional properties of elliptical quantum-dot microlasers. <i>Journal of Photonics for Energy</i> , 2018, 8, 1.	1.3	2
56	Multifunctional Optoelectronicâ€“Spintronic Device Based on Hybrid Organometal Trihalide Perovskites. <i>Advanced Electronic Materials</i> , 2017, 3, 1600426.	5.1	13
57	Spintronic detection of interfacial magnetic switching in a paramagnetic thin film of tris(8-hydroxyquinoline)iron(III). <i>Physical Review B</i> , 2017, 95, .	3.2	9
58	Spin-polarized exciton quantum beating in hybrid organicâ€“inorganic perovskites. <i>Nature Physics</i> , 2017, 13, 894-899.	16.7	184
59	Largeâ€“Scale Robust Quantum Dot Microdisk Lasers with Controlled High Quality Cavity Modes. <i>Advanced Optical Materials</i> , 2017, 5, 1700011.	7.3	21
60	Temperature-Dependent Electric Field Poling Effects in CH ₃ NH ₃ PbI ₃ Optoelectronic Devices. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1429-1435.	4.6	10
61	Giant Rashba splitting in 2D organic-inorganic halide perovskites measured by transient spectroscopies. <i>Science Advances</i> , 2017, 3, e1700704.	10.3	288
62	Electroabsorption Spectroscopy Studies of (C ₄ H ₉ NH ₃) ₂ PbI ₄ Organicâ€“Inorganic Hybrid Perovskite Multiple Quantum Wells. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4557-4564.	4.6	48
63	Manipulation of Emission Colors Based on Intrinsic and Extrinsic Magneto-Electroluminescence from Exciplex Organic Light-Emitting Diodes. <i>ACS Photonics</i> , 2017, 4, 1899-1905.	6.6	18
64	Colour selective control of terahertz radiation using two-dimensional hybrid organic inorganic lead-trihalide perovskites. <i>Nature Communications</i> , 2017, 8, 1328.	12.8	35
65	Amplitude-Mode Spectroscopy of Charge Excitations in PTB7 $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -Conjugated Donor-Acceptor Copolymer for Photovoltaic Applications. <i>Physical Review Applied</i> , 2017, 7, .	3.8	7
66	Effects of Nonhydrostatic Stress on Structural and Optoelectronic Properties of Methylammonium Lead Bromide Perovskite. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3457-3465.	4.6	53
67	Transient Magnetophotoinduced Absorption Studies of Photoexcitations in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Conjugated Donor-Acceptor Copolymers. <i>Physical Review Letters</i> , 2017, 119, 017401.	7.8	23
68	Quantitative inverse spin Hall effect detection via precise control of the driving-field amplitude. <i>Physical Review B</i> , 2017, 95, .	3.2	8
69	Optical detection of transverse spin-Seebeck effect in permalloy film using Sagnac interferometer microscopy. <i>Physical Review B</i> , 2017, 95, .	3.2	13
70	Organic Lightâ€“Emitting Diodes: Magnetic Field Enhancement of Organic Lightâ€“Emitting Diodes Based on Electron Donorâ€“Acceptor Exciplex (Adv. Electron. Mater. 2/2016). <i>Advanced Electronic Materials</i> , 2016, 2, .	5.1	1
71	Role of Intrinsic Ion Accumulation in the Photocurrent and Photocapacitive Responses of MAPbBr ₃ Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 35447-35453.	8.0	15
72	Optical modulation of THz plasmonic resonances using perovskites. , 2016, , .		0

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73	Inverse spin Hall effect from pulsed spin current in organic semiconductors with tunable spin-orbit coupling. <i>Nature Materials</i> , 2016, 15, 863-869.	27.5	111
74	Enhancement of optical gain characteristics of quantum dot films by optimization of organic ligands. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10069-10081.	5.5	19
75	EFFECTS OF MAGNETIC FIELDS IN ORGANIC DEVICES: BASIC CONCEPTS. <i>Materials and Energy</i> , 2016, , 299-319.	0.1	0
76	Ultrafast Spectroscopy of Photoexcitations in Organometal Trihalide Perovskites. <i>Advanced Functional Materials</i> , 2016, 26, 1617-1627.	14.9	35
77	Magnetic Field Effect in Organic Light-Emitting Diodes Based on Electron Donor-Acceptor Exciplex Chromophores Doped with Fluorescent Emitters. <i>Advanced Functional Materials</i> , 2016, 26, 6930-6937.	14.9	37
78	Magnetophotocurrent in Organic Bulk Heterojunction Photovoltaic Cells at Low Temperatures and High Magnetic Fields. <i>Physical Review Applied</i> , 2016, 5, .	3.8	13
79	Magnetic Field Enhancement of Organic Light-Emitting Diodes Based on Electron Donor-Acceptor Exciplex. <i>Advanced Electronic Materials</i> , 2016, 2, 1500248.	5.1	44
80	Core/Alloyed-Shell Quantum Dot Robust Solid Films with High Optical Gains. <i>ACS Photonics</i> , 2016, 3, 647-658.	6.6	45
81	Theory of Primary Photoexcitations in Donor-Acceptor Copolymers. <i>Physical Review Letters</i> , 2015, 115, 267401.	7.8	43
82	Singlet fission of hot excitons in π -conjugated polymers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140327.	3.4	27
83	Optical, Electrical, and Magnetic Studies of Organic Solar Cells Based on Low Bandgap Copolymer with Spin $\dot{\text{A}}\frac{1}{2}$ Radical Additives. <i>Advanced Functional Materials</i> , 2015, 25, 1895-1902.	14.9	45
84	Magnetic field effects in hybrid perovskite devices. <i>Nature Physics</i> , 2015, 11, 427-434.	16.7	227
85	Exciton versus Free Carrier Photogeneration in Organometal Trihalide Perovskites Probed by Broadband Ultrafast Polarization Memory Dynamics. <i>Physical Review Letters</i> , 2015, 114, 116601.	7.8	113
86	Electrostatic gating of hybrid halide perovskite field-effect transistors: balanced ambipolar transport at room-temperature. <i>MRS Communications</i> , 2015, 5, 297-301.	1.8	135
87	GIANT MAGNETO-ELECTROLUMINESCENCE FROM HYBRID SPIN-ORGANIC LIGHT EMITTING DIODES. <i>Spin</i> , 2014, 04, 1450002.	1.3	4
88	THE EFFECT OF LIGHT-INDUCED METASTABLE DEFECTS ON THE MAGNETO-CONDUCTANCE OF POLY(PHENYLENE-VINYLENE) DIODES. <i>Spin</i> , 2014, 04, 1440012.	1.3	1
89	The first decade of organic spintronics research. <i>Chemical Communications</i> , 2014, 50, 1781-1793.	4.1	167
90	Short-lived charge-transfer excitons in organic photovoltaic cells studied by high-field magneto-photocurrent. <i>Nature Communications</i> , 2014, 5, 4529.	12.8	79

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91	Room-temperature coupling between electrical current and nuclear spins in OLEDs. <i>Science</i> , 2014, 345, 1487-1490.	12.6	84
92	The development of organic spin valves from unipolar to bipolar operation. <i>MRS Bulletin</i> , 2014, 39, 585-589.	3.5	14
93	Room-temperature magnetically modulated electroluminescence from hybrid organic/inorganic spintronics devices. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	18
94	Optics of photonic quasicrystals. <i>Nature Photonics</i> , 2013, 7, 177-187.	31.4	358
95	Spin diffusion in fullerene-based devices: Morphology effect. <i>Physical Review B</i> , 2013, 87, .	3.2	49
96	Magnetic field effect spectroscopy of C60-based films and devices. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	18
97	Ultrafast Transient Spectroscopy of Polymer/Fullerene Blends for Organic Photovoltaic Applications. <i>Materials</i> , 2013, 6, 897-910.	2.9	20
98	Terahertz plasmonic properties of highly oriented pyrolytic graphite. <i>Applied Physics Letters</i> , 2013, 102, 171107.	3.3	7
99	Study of photoexcitations in poly(3-hexylthiophene) for photovoltaic applications. <i>Applied Physics Letters</i> , 2012, 100, 213903.	3.3	20
100	Isotope effect in the spin response of aluminum tris(8-hydroxyquinoline) based devices. <i>Physical Review B</i> , 2012, 85, .	3.2	52
101	Ultrafast transient spectroscopy of nano-domains of polymer/fullerene blend for organic photovoltaic applications. <i>Journal of Applied Physics</i> , 2012, 112, 123505.	2.5	10
102	Magnetic field effect on excited-state spectroscopies of π -conjugated polymer films. <i>Physical Review B</i> , 2012, 85, .	3.2	58
103	Phosphorescence superradiance in a Pt-containing π -conjugated polymer. <i>Physical Review B</i> , 2012, 86, .	3.2	13
104	Spin-Polarized Light-Emitting Diode Based on an Organic Bipolar Spin Valve. <i>Science</i> , 2012, 337, 204-209.	12.6	235
105	Two-step charge photogeneration dynamics in polymer/fullerene blends for photovoltaic applications. <i>Physical Review B</i> , 2012, 85, .	3.2	39
106	Ultrafast optical studies of ordered poly(3-thienylene-vinylene) films. <i>Physical Review B</i> , 2012, 85, .	3.2	26
107	Effects of Magnetic Field on Conductance and Electroluminescence in Organic Devices. <i>Israel Journal of Chemistry</i> , 2012, 52, 552-562.	2.3	74
108	Evidence for excimer photoexcitations in an ordered π -conjugated polymer film. <i>Physical Review B</i> , 2011, 83, .	3.2	28

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109	The hyperfine interaction role in the spin response of $\dot{\text{I}}\text{€}$ -conjugated polymer films and spin valve devices. <i>Synthetic Metals</i> , 2011, 161, 598-603.	3.9	39
110	Disorder-enhanced light transport. <i>Nature Photonics</i> , 2011, 5, 453-454.	31.4	8
111	Study of magneto-electroluminescence and magneto-conductance in polymer light-emitting electrochemical cells. <i>Applied Physics Letters</i> , 2011, 98, 263302.	3.3	16
112	The effects of charge injection in single-wall carbon nanotubes studied by charge-induced absorption. <i>Applied Physics Letters</i> , 2011, 98, 263110.	3.3	2
113	Isotope effect in spin response of $\dot{\text{I}}\text{€}$ -conjugated polymer films and devices. <i>Nature Materials</i> , 2010, 9, 345-352.	27.5	461
114	Naturally occurring resonators in random lasing of $\dot{\text{I}}\text{€}$ -conjugated polymer films. <i>Nature Physics</i> , 2010, 6, 303-310.	16.7	148
115	Nonlinear optical spectroscopy of excited states in disubstituted polyacetylene. <i>Physical Review B</i> , 2010, 81, .	3.2	7
116	Optical studies of the charge transfer complex in polythiophene/fullerene blends for organic photovoltaic applications. <i>Physical Review B</i> , 2010, 82, .	3.2	86
117	Cancerous tissue mapping from random lasing emission spectra. <i>Journal of Optics (United Kingdom)</i> , 2010, 12, 024010.	2.2	66
118	Ultrafast dynamics in metallic and semiconducting carbon nanotubes. <i>Physical Review B</i> , 2009, 80, .	3.2	30
119	Organic spin valves: the first organic spintronics devices. <i>Journal of Materials Chemistry</i> , 2009, 19, 1685-1690.	6.7	40
120	Optical probes of $\dot{\text{I}}\text{€}$ -conjugated polymer blends with strong acceptor molecules. <i>Physical Review B</i> , 2009, 79, .	3.2	28
121	Ultrafast dynamics of surface electromagnetic waves in nanohole array on metallic film. <i>Applied Physics B: Lasers and Optics</i> , 2008, 93, 131-138.	2.2	4
122	Magnetic Field Effects in $\dot{\text{I}}\text{€}$ -Conjugated Polymer-Fullerene Blends: Evidence for Multiple Components. <i>Physical Review Letters</i> , 2008, 101, 236805.	7.8	197
123	Spin-dependent kinetics of polaron pairs in organic light-emitting diodes studied by electroluminescence detected magnetic resonance dynamics. <i>Physical Review B</i> , 2008, 78, .	3.2	21
124	Dielectric response of plasmonic lattices. , 2008, , .		0
125	Characterizing sub-wavelength apertures using terahertz spectroscopy. , 2008, , .		0
126	Enhanced transmission through subwavelength aperture arrays with short range order. , 2008, , .		0

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127	Resonantly Enhanced Terahertz Transmission Through Aperiodic Arrays of Subwavelength Apertures. , 2007, , .		0
128	Midinfrared optical response and thermal emission from plasmonic lattices on Al films. Physical Review B, 2007, 76, .	3.2	7
129	Comment on "Frequency response and origin of the spin-12 photoluminescence-detected magnetic resonance in a π -conjugated polymer" Physical Review B, 2007, 75, .	3.2	16
130	Experimental determination of the charge/neutral branching ratio $\hat{\omega}$ in the photoexcitation of π -conjugated polymers by broadband ultrafast spectroscopy. Physical Review B, 2007, 75, .	3.2	178
131	Nonlinear optical spectroscopy of excited states in polyfluorene. Physical Review B, 2007, 75, .	3.2	45
132	Photophysics of excitons in quasi-one-dimensional organic semiconductors: Single-walled carbon nanotubes and π -conjugated polymers. Physical Review B, 2006, 73, .	3.2	74
133	Magneto-Transport Studies Of Fe/Alq ₃ /Co Organic Spin-Valves. AIP Conference Proceedings, 2005, , .	0.4	1
134	Infrared Ultrafast Optical Probes of Photoexcitations in π -Conjugated Organic Semiconductors. AIP Conference Proceedings, 2005, , .	0.4	0
135	Optical Studies of Spin Coherence in Organic Semiconductors. AIP Conference Proceedings, 2005, , .	0.4	0
136	Organic Spin-Valves: Physics and Applications. AIP Conference Proceedings, 2005, , .	0.4	0
137	Apparent vibrational side bands in π -conjugated systems: $\hat{\omega}$ The case of distyrylbenzene. Physical Review B, 2005, 71, .	3.2	23
138	Exciton dynamics in single-walled nanotubes: $\hat{\omega}$ f Transient photoinduced dichroism and polarized emission. Physical Review B, 2005, 71, .	3.2	44
139	Giant magnetoresistance in organic spin-valves. Nature, 2004, 427, 821-824.	27.8	1,378
140	Optical and magneto-optical studies of two-dimensional metallodielectric photonic crystals on cobalt films. Applied Physics Letters, 2004, 84, 3112-3114.	3.3	58
141	Directional emission from asymmetric microlaser resonators of π -conjugated polymers. Applied Physics Letters, 2004, 85, 1892-1894.	3.3	16
142	Spectroscopic study of spin-dependent exciton formation rates in π -conjugated semiconductors: $\hat{\omega}$ f Comparison with electroluminescence techniques. Physical Review B, 2004, 70, .	3.2	15
143	Linear and Nonlinear Photoexcitation Dynamics in π -Conjugated Polymers. Physical Review Letters, 2003, 90, 046804.	7.8	37
144	Excitons, polarons, and laser action in poly(p-phenylene vinylene) films. Journal of Chemical Physics, 2003, 118, 8905-8916.	3.0	75

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145	Ultrafast dynamics of excitons and solitons in disubstituted polyacetylene. <i>Physical Review B</i> , 2003, 67, .	3.2	13
146	Spin-dependent delayed luminescence from nongeminate pairs of polarons in π -conjugated polymers. <i>Physical Review B</i> , 2002, 66, .	3.2	50
147	Random Lasing in π -Conjugated Films and Infiltrated Opals. <i>Advanced Materials</i> , 2001, 13, 760-764.	21.0	159
148	Ultrafast Spectroscopy of Even-Parity States in π -Conjugated Polymers. <i>Physical Review Letters</i> , 2000, 85, 2196-2199.	7.8	93
149	Spectral analysis of polymer microring lasers. <i>Applied Physics Letters</i> , 2000, 76, 3858-3860.	3.3	89
150	Polarons in Ladder-Type Polymer Films; Recombination Channels and Electron-Phonon Coupling. <i>Journal of Physical Chemistry B</i> , 2000, 104, 3846-3850.	2.6	9
151	Two-Dimensional Electronic Excitations in Self-Assembled Conjugated Polymer Nanocrystals. <i>Science</i> , 2000, 287, 839-842.	12.6	619
152	Amplified spontaneous emission and lasing in conducting polymers and fluorescent dyes in opals as photonic crystals. <i>Applied Physics Letters</i> , 1999, 74, 2590-2592.	3.3	117
153	Photogeneration Action Spectroscopy of Neutral and Charged Excitations in Films of a Ladder-Type Poly(Para-Phenylene). <i>Physical Review Letters</i> , 1999, 82, 3344-3347.	7.8	52
154	Laser action in polydialkylfluorene films: Influence of low-temperature thermal treatment. <i>Applied Physics Letters</i> , 1999, 74, 1648-1650.	3.3	44
155	Microlasers and Micro-LEDs from Disubstituted Polyacetylene. <i>Advanced Materials</i> , 1998, 10, 869-872.	21.0	67
156	Double-modulation electro-optic sampling for pump-and-probe ultrafast correlation measurements. <i>Review of Scientific Instruments</i> , 1998, 69, 1257-1260.	1.3	25
157	Amplified resonant Raman scattering in conducting polymer thin films. <i>Applied Physics Letters</i> , 1998, 73, 2878-2880.	3.3	23
158	SPIN-DEPENDENT RECOMBINATION PROCESSES IN π -CONJUGATED POLYMERS. , 1998, , 292-317.		3
159	Photoluminescence, Electroluminescence, Lasing and Novel Characteristics in Photonic Crystal, Synthetic Opal, of Conducting Polymers, Polyacetylene Derivatives. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 322, 253-262.	0.3	2
160	Exciton Dynamics in soluble Poly(p-phenylene-vinylene): Towards an Ultrafast Excitonic Switch. <i>Physical Review Letters</i> , 1997, 78, 4285-4288.	7.8	114
161	Spin Dependent Photoinduced Absorption in a-Si:H. <i>Materials Research Society Symposia Proceedings</i> , 1997, 467, 179.	0.1	1
162	Cooperative Emission in π -Conjugated Polymer Thin Films. <i>Physical Review Letters</i> , 1997, 78, 729-732.	7.8	293

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163	Electroabsorption spectroscopy of luminescent and nonluminescent π -conjugated polymers. <i>Physical Review B</i> , 1997, 56, 15712-15724.	3.2	178
164	Optically Detected Magnetic Resonance Studies of Undoped a-Si:H. <i>Materials Research Society Symposia Proceedings</i> , 1996, 420, 593.	0.1	3
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