

Zeev Valy Vardeny

List of Publications by Year in descending order

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182
papers

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citations

44069

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all docs

184
docs citations

184
times ranked

9444
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant magnetoresistance in organic spin-valves. <i>Nature</i> , 2004, 427, 821-824.	27.8	1,378
2	Two-Dimensional Electronic Excitations in Self-Assembled Conjugated Polymer Nanocrystals. <i>Science</i> , 2000, 287, 839-842.	12.6	619
3	Isotope effect in spin response of π -conjugated polymer films and devices. <i>Nature Materials</i> , 2010, 9, 345-352.	27.5	461
4	Optics of photonic quasicrystals. <i>Nature Photonics</i> , 2013, 7, 177-187.	31.4	358
5	Chiral-induced spin selectivity enables a room-temperature spin light-emitting diode. <i>Science</i> , 2021, 371, 1129-1133.	12.6	340
6	Cooperative Emission in π -Conjugated Polymer Thin Films. <i>Physical Review Letters</i> , 1997, 78, 729-732.	7.8	293
7	Giant Rashba splitting in 2D organic-inorganic halide perovskites measured by transient spectroscopies. <i>Science Advances</i> , 2017, 3, e1700704.	10.3	288
8	Spin-dependent charge transport through 2D chiral hybrid lead-iodide perovskites. <i>Science Advances</i> , 2019, 5, eaay0571.	10.3	275
9	Spin-Polarized Light-Emitting Diode Based on an Organic Bipolar Spin Valve. <i>Science</i> , 2012, 337, 204-209.	12.6	235
10	Magnetic field effects in hybrid perovskite devices. <i>Nature Physics</i> , 2015, 11, 427-434.	16.7	227
11	Spin-optoelectronic devices based on hybrid organic-inorganic trihalide perovskites. <i>Nature Communications</i> , 2019, 10, 129.	12.8	214
12	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
13	Magnetic Field Effects in π -Conjugated Polymer-Fullerene Blends: Evidence for Multiple Components. <i>Physical Review Letters</i> , 2008, 101, 236805.	7.8	197
14	Spin-polarized exciton quantum beating in hybrid organic-inorganic perovskites. <i>Nature Physics</i> , 2017, 13, 894-899.	16.7	184
15	Electroabsorption spectroscopy of luminescent and nonluminescent π -conjugated polymers. <i>Physical Review B</i> , 1997, 56, 15712-15724.	3.2	178
16	Experimental determination of the charge/neutral branching ratio in the photoexcitation of π -conjugated polymers by broadband ultrafast spectroscopy. <i>Physical Review B</i> , 2007, 75, .	3.2	178
17	Studies of photoexcited states in polyacetylene and poly(paraphenylenevinylene) by absorption detected magnetic resonance: The case of neutral photoexcitations. <i>Physical Review Letters</i> , 1992, 68, 666-669.	7.8	177
18	The first decade of organic spintronics research. <i>Chemical Communications</i> , 2014, 50, 1781-1793.	4.1	167

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19	Random Lasing in π -Conjugated Films and Infiltrated Opals. <i>Advanced Materials</i> , 2001, 13, 760-764.	21.0	159
20	Naturally occurring resonators in random lasing of π -conjugated polymer films. <i>Nature Physics</i> , 2010, 6, 303-310.	16.7	148
21	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
22	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
23	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
24	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
25	Inverse spin Hall effect from pulsed spin current in π -organic semiconductors with tunable spin-orbit coupling. <i>Nature Materials</i> , 2016, 15, 863-869.	27.5	111
26	Large-Area Lasing and Multicolor Perovskite Quantum Dot Patterns. <i>Advanced Optical Materials</i> , 2018, 6, 1800474.	7.3	95
27	Ultrafast Spectroscopy of Even-Parity States in π -Conjugated Polymers. <i>Physical Review Letters</i> , 2000, 85, 2196-2199.	7.8	93
28	Spectral analysis of polymer microring lasers. <i>Applied Physics Letters</i> , 2000, 76, 3858-3860.	3.3	89
29	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
30	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
31	Spin-Dependent Photovoltaic and Photogalvanic Responses of Optoelectronic Devices Based on Chiral Two-Dimensional Hybrid Organic-Inorganic Perovskites. <i>ACS Nano</i> , 2021, 15, 588-595.	14.6	85
32	Room-temperature coupling between electrical current and nuclear spins in OLEDs. <i>Science</i> , 2014, 345, 1487-1490.	12.6	84
33	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
34	Excitons, polarons, and laser action in poly(p-phenylene vinylene) films. <i>Journal of Chemical Physics</i> , 2003, 118, 8905-8916.	3.0	75
35	Photophysics of excitons in quasi-one-dimensional organic semiconductors: Single-walled carbon nanotubes and π -conjugated polymers. <i>Physical Review B</i> , 2006, 73, .	3.2	74
36	Effects of Magnetic Field on Conductance and Electroluminescence in Organic Devices. <i>Israel Journal of Chemistry</i> , 2012, 52, 552-562.	2.3	74

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37	Microlasers and Micro-LEDs from Disubstituted Polyacetylene. <i>Advanced Materials</i> , 1998, 10, 869-872.	21.0	67
38	Cancerous tissue mapping from random lasing emission spectra. <i>Journal of Optics (United Kingdom)</i> , 2010, 12, 024010.	2.2	66
39	Organic-based magnon spintronics. <i>Nature Materials</i> , 2018, 17, 308-312.	27.5	65
40	Optical and magneto-optical studies of two-dimensional metallodielectric photonic crystals on cobalt films. <i>Applied Physics Letters</i> , 2004, 84, 3112-3114.	3.3	58
41	Magnetic field effect on excited-state spectroscopies of π -conjugated polymer films. <i>Physical Review B</i> , 2012, 85, .	3.2	58
42	Control of light, spin and charge with chiral metal halide semiconductors. <i>Nature Reviews Chemistry</i> , 2022, 6, 470-485.	30.2	58
43	Ultrafast frequency-agile terahertz devices using methylammonium lead halide perovskites. <i>Science Advances</i> , 2018, 4, eaar7353.	10.3	56
44	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
45	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
46	Isotope effect in the spin response of aluminum tris(8-hydroxyquinoline) based devices. <i>Physical Review B</i> , 2012, 85, .	3.2	52
47	Enhanced Charge Transport in Hybrid Perovskite Field-Effect Transistors via Microstructure Control. <i>Advanced Electronic Materials</i> , 2018, 4, 1800316.	5.1	52
48	Spin-dependent delayed luminescence from nongeminate pairs of polarons in π -conjugated polymers. <i>Physical Review B</i> , 2002, 66, .	3.2	50
49	Spin diffusion in fullerene-based devices: Morphology effect. <i>Physical Review B</i> , 2013, 87, .	3.2	49
50	Electroabsorption Spectroscopy Studies of $(\text{C}_4\text{H}_9\text{NH}_3)_2\text{PbI}_4$ Organic-Inorganic Hybrid Perovskite Multiple Quantum Wells. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4557-4564.	4.6	48
51	Nonlinear optical spectroscopy of excited states in polyfluorene. <i>Physical Review B</i> , 2007, 75, .	3.2	45
52	Optical, Electrical, and Magnetic Studies of Organic Solar Cells Based on Low Bandgap Copolymer with Spin $\dot{\text{A}}/2$ Radical Additives. <i>Advanced Functional Materials</i> , 2015, 25, 1895-1902.	14.9	45
53	Core/Alloyed-Shell Quantum Dot Robust Solid Films with High Optical Gains. <i>ACS Photonics</i> , 2016, 3, 647-658.	6.6	45
54	Observation of exceptional points in magnonic parity-time symmetry devices. <i>Science Advances</i> , 2019, 5, eaax9144.	10.3	45

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55	Laser action in polydialkylfluorene films: Influence of low-temperature thermal treatment. Applied Physics Letters, 1999, 74, 1648-1650.	3.3	44
56	Exciton dynamics in single-walled nanotubes: Transient photoinduced dichroism and polarized emission. Physical Review B, 2005, 71, .	3.2	44
57	Magnetic Field Enhancement of Organic Light-Emitting Diodes Based on Electron Donor-Acceptor Exciplex. Advanced Electronic Materials, 2016, 2, 1500248.	5.1	44
58	Theory of Primary Photoexcitations in Donor-Acceptor Copolymers. Physical Review Letters, 2015, 115, 267401.	7.8	43
59	Organic spin valves: the first organic spintronics devices. Journal of Materials Chemistry, 2009, 19, 1685-1690.	6.7	40
60	Tunable Spin Characteristic Properties in Spin Valve Devices Based on Hybrid Organic-Inorganic Perovskites. Advanced Materials, 2019, 31, e1904059.	21.0	40
61	The hyperfine interaction role in the spin response of π -conjugated polymer films and spin valve devices. Synthetic Metals, 2011, 161, 598-603.	3.9	39
62	Two-step charge photogeneration dynamics in polymer/fullerene blends for photovoltaic applications. Physical Review B, 2012, 85, .	3.2	39
63	A Multi-Dimensional Perspective on Electronic Doping in Metal Halide Perovskites. ACS Energy Letters, 2021, 6, 1104-1123.	17.4	38
64	Linear and Nonlinear Photoexcitation Dynamics in π -Conjugated Polymers. Physical Review Letters, 2003, 90, 046804.	7.8	37
65	Magnetic Field Effect in Organic Light-Emitting Diodes Based on Electron Donor-Acceptor Exciplex Chromophores Doped with Fluorescent Emitters. Advanced Functional Materials, 2016, 26, 6930-6937.	14.9	37
66	Ultrafast Spectroscopy of Photoexcitations in Organometal Trihalide Perovskites. Advanced Functional Materials, 2016, 26, 1617-1627.	14.9	35
67	Colour selective control of terahertz radiation using two-dimensional hybrid organic inorganic lead-trihalide perovskites. Nature Communications, 2017, 8, 1328.	12.8	35
68	On the Excitonic Nature of the Photoluminescence in Polythiophene Revealed by ODMR Spectroscopy. Molecular Crystals and Liquid Crystals, 1994, 256, 465-472.	0.3	33
69	Studies of resonant and preresonant femtosecond degenerate four-wave mixing in unoriented conducting polymers. Journal of Applied Physics, 1991, 70, 1896-1898.	2.5	32
70	Robust lasing modes in coupled colloidal quantum dot microdisk pairs using a non-Hermitian exceptional point. Nature Communications, 2019, 10, 561.	12.8	32
71	Rashba splitting in organic-inorganic lead-halide perovskites revealed through two-photon absorption spectroscopy. Nature Communications, 2022, 13, 483.	12.8	31
72	Ultrafast dynamics in metallic and semiconducting carbon nanotubes. Physical Review B, 2009, 80, .	3.2	30

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73	Optical probes of π -conjugated polymer blends with strong acceptor molecules. Physical Review B, 2009, 79, .	3.2	28
74	Evidence for excimer photoexcitations in an ordered π -conjugated polymer film. Physical Review B, 2011, 83, .	3.2	28
75	Singlet fission of hot excitons in π -conjugated polymers. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140327.	3.4	27
76	Ultrafast optical studies of ordered poly(3-thienylene-vinylene) films. Physical Review B, 2012, 85, .	3.2	26
77	Field-induced spin splitting and anomalous photoluminescence circular polarization in C_3H_3N microdisks. Physical Review Letters, 2013, 111, 017401.	3.2	26
78	Electrically Symmetric Poly(Phenylene Acetylene) Diodes. Molecular Crystals and Liquid Crystals, 1994, 256, 555-561.	0.3	25
79	Double-modulation electro-optic sampling for pump-and-probe ultrafast correlation measurements. Review of Scientific Instruments, 1998, 69, 1257-1260.	1.3	25
80	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
81	Circular dichroism in non-chiral metal halide perovskites. Nanoscale, 2020, 12, 18067-18078.	5.6	24
82	Amplified resonant Raman scattering in conducting polymer thin films. Applied Physics Letters, 1998, 73, 2878-2880.	3.3	23
83	Apparent vibrational side bands in π -conjugated systems: The case of distyrylbenzene. Physical Review B, 2005, 71, .	3.2	23
84	Transient Magnetophotoinduced Absorption Studies of Photoexcitations in π -Conjugated Donor-Acceptor Copolymers. Physical Review Letters, 2017, 119, 017401.	7.8	23
85	Studies of spin related processes in fullerene C_{60} devices. Journal of Materials Chemistry C, 2018, 6, 3621-3627.	5.5	23
86	Spin-dependent kinetics of polaron pairs in organic light-emitting diodes studied by electroluminescence detected magnetic resonance dynamics. Physical Review B, 2008, 78, .	3.2	21
87	Large-scale Robust Quantum Dot Microdisk Lasers with Controlled High Quality Cavity Modes. Advanced Optical Materials, 2017, 5, 1700011.	7.3	21
88	Study of photoexcitations in poly(3-hexylthiophene) for photovoltaic applications. Applied Physics Letters, 2012, 100, 213903.	3.3	20
89	Ultrafast Transient Spectroscopy of Polymer/Fullerene Blends for Organic Photovoltaic Applications. Materials, 2013, 6, 897-910.	2.9	20
90	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

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91	Enhancement of optical gain characteristics of quantum dot films by optimization of organic ligands. Journal of Materials Chemistry C, 2016, 4, 10069-10081.	5.5	19
92	Room-temperature magnetically modulated electroluminescence from hybrid organic/inorganic spintronics devices. Applied Physics Letters, 2013, 103, .	3.3	18
93	Magnetic field effect spectroscopy of C60-based films and devices. Journal of Applied Physics, 2013, 113, .	2.5	18
94	Manipulation of Emission Colors Based on Intrinsic and Extrinsic Magneto-Electroluminescence from Exciplex Organic Light-Emitting Diodes. ACS Photonics, 2017, 4, 1899-1905.	6.6	18
95	Detection of Electronic Excited States in Conjugated Polymers by Picosecond Transient Strain Spectroscopy. Physical Review Letters, 1995, 74, 1685-1688.	7.8	17
96	Spin Wave Excitation, Detection, and Utilization in the Organic-Based Magnet, $V(\text{TCNE})_x$ (TCNE = Tetracyanoethylene). Advanced Materials, 2020, 32, e2002663.	21.0	17
97	Directional emission from asymmetric microlaser resonators of π -conjugated polymers. Applied Physics Letters, 2004, 85, 1892-1894.	3.3	16
98	Comment on "Frequency response and origin of the spin-12 photoluminescence-detected magnetic resonance in π -conjugated polymer". Physical Review B, 2007, 75, .	3.2	16
99	Study of magneto-electroluminescence and magneto-conductance in polymer light-emitting electrochemical cells. Applied Physics Letters, 2011, 98, 263302.	3.3	16
100	Studies of spin transport in fullerene films. Journal of Applied Physics, 2019, 125, .	2.5	16
101	Electroabsorption and Charged-Excitation Spectroscopy of Π -Conjugated Polymers. Molecular Crystals and Liquid Crystals, 1994, 256, 87-96.	0.3	15
102	Spectroscopic study of spin-dependent exciton formation rates in π -conjugated semiconductors: Comparison with electroluminescence techniques. Physical Review B, 2004, 70, .	3.2	15
103	Role of Intrinsic Ion Accumulation in the Photocurrent and Photocapacitive Responses of MAPbBr_3 Photodetectors. ACS Applied Materials & Interfaces, 2016, 8, 35447-35453.	8.0	15
104	Transient quantum beatings of trions in hybrid organic tri-iodine perovskite single crystal. Nature Communications, 2022, 13, 1428.	12.8	15
105	The development of organic spin valves from unipolar to bipolar operation. MRS Bulletin, 2014, 39, 585-589.	3.5	14
106	High-Field Magnetoresistance of Organic Semiconductors. Physical Review Applied, 2018, 10, .	3.8	14
107	Surface-enhanced spin current to charge current conversion efficiency in $\text{CH}_3\text{NH}_3\text{PbBr}_3$ -based devices. Journal of Chemical Physics, 2019, 151, 174709.	3.0	14
108	Separation of Spin and Charge Transport in Pristine π -Conjugated Polymers. Physical Review Letters, 2020, 124, 067702.	7.8	14

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109	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
110	Ultrafast dynamics of excitons and solitons in disubstituted polyacetylene. Physical Review B, 2003, 67, .	3.2	13
111	Phosphorescence superradiance in a Pt-containing π -conjugated polymer. Physical Review B, 2012, 86, .	3.2	13
112	Magnetophotocurrent in Organic Bulk Heterojunction Photovoltaic Cells at Low Temperatures and High Magnetic Fields. Physical Review Applied, 2016, 5, .	3.8	13
113	Multifunctional Optoelectronic Spintronic Device Based on Hybrid Organometal Trihalide Perovskites. Advanced Electronic Materials, 2017, 3, 1600426.	5.1	13
114	Optical detection of transverse spin-Seebeck effect in permalloy film using Sagnac interferometer microscopy. Physical Review B, 2017, 95, .	3.2	13
115	Control of Whispering Gallery Modes and PT-Symmetry Breaking in Colloidal Quantum Dot Microdisk Lasers with Engineered Notches. Nano Letters, 2019, 19, 6049-6057.	9.1	13
116	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
117	Magneto-electroluminescence response in 2D and 3D hybrid organic-inorganic perovskite light emitting diodes. Journal of Chemical Physics, 2020, 152, 044714.	3.0	11
118	Ultrafast transient spectroscopy of nano-domains of polymer/fullerene blend for organic photovoltaic applications. Journal of Applied Physics, 2012, 112, 123505.	2.5	10
119	Temperature-Dependent Electric Field Poling Effects in CH ₃ NH ₃ PbI ₃ Optoelectronic Devices. Journal of Physical Chemistry Letters, 2017, 8, 1429-1435.	4.6	10
120	Proton switching molecular magnetoelectricity. Nature Communications, 2021, 12, 4602.	12.8	10
121	Polarons in Ladder-Type Polymer Films; Recombination Channels and Electron-Phonon Coupling. Journal of Physical Chemistry B, 2000, 104, 3846-3850.	2.6	9
122	Spintronic detection of interfacial magnetic switching in a paramagnetic thin film of tris(8-hydroxyquinoline)iron(III). Physical Review B, 2017, 95, .	3.2	9
123	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
124	Two Photon Absorption Spectroscopy of Polydiacetylene PTS. Molecular Crystals and Liquid Crystals, 1994, 256, 617-623.	0.3	8
125	Disorder-enhanced light transport. Nature Photonics, 2011, 5, 453-454.	31.4	8
126	Quantitative inverse spin Hall effect detection via precise control of the driving-field amplitude. Physical Review B, 2017, 95, .	3.2	8

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127	Midinfrared optical response and thermal emission from plasmonic lattices on Al films. <i>Physical Review B</i> , 2007, 76, .	3.2	7
128	Nonlinear optical spectroscopy of excited states in disubstituted polyacetylene. <i>Physical Review B</i> , 2010, 81, .	3.2	7
129	Terahertz plasmonic properties of highly oriented pyrolytic graphite. <i>Applied Physics Letters</i> , 2013, 102, 171107.	3.3	7
130	Amplitude-Mode Spectroscopy of Charge Excitations in PTB7 $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -Conjugated Donor-Acceptor Copolymer for Photovoltaic Applications. <i>Physical Review Applied</i> , 2017, 7, .	3.8	7
131	Quantifying Exciton Heterogeneities in Mixed-Phase Organometal Halide Multiple Quantum Wells via Stark Spectroscopy Studies. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52538-52548.	8.0	7
132	Ultrafast Transient Spectroscopy of $\langle i \rangle$ Trans $\langle /i \rangle$ -Polyacetylene in the Midinfrared Spectral Range. <i>Physical Review Letters</i> , 2020, 124, 017401.	7.8	7
133	Long-range transverse spin Seebeck effect in permalloy stripes using Sagnac interferometer microscopy. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 134003.	2.8	6
134	Picosecond Transient Photomodulation in Poly(2,5-Thienylene Vinylene). <i>Molecular Crystals and Liquid Crystals</i> , 1994, 256, 473-479.	0.3	5
135	Picosecond to Millisecond Photoexcitations in Poly(Phenylene Acetylene). <i>Molecular Crystals and Liquid Crystals</i> , 1994, 256, 697-703.	0.3	5
136	Spin Dynamics of Photoexcitations in C60 and C60. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 256, 307-315.	0.3	5
137	$RE\ddot{t}\langle \text{sup} \rangle (3) \langle \text{sup} \rangle$, $RE\ddot{t}\langle \text{sup} \rangle (5) \langle \text{sup} \rangle$, and $RE\ddot{t}\langle \text{sup} \rangle (7) \langle \text{sup} \rangle$ Measured in Poly(Phenylene Ethynyl Silane)S by the Z Scan Technique. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 256, 597-604.	0.3	5
138	Multiphoton Microscopy of \ddot{t} -Conjugated Copolymers and Copolymer/Fullerene Blends for Organic Photovoltaic Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31813-31823.	8.0	5
139	Magneto-Electroluminescence Study of Fringe Field in $\hat{\text{e}}$ Magnetic $\hat{\text{e}}$ Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30072-30078.	8.0	5
140	Coupled Whispering Gallery Mode Resonators via Template $\hat{\text{e}}$ Assisted Assembly of Photoluminescent Microspheres. <i>Advanced Functional Materials</i> , 2019, 29, 1902520.	14.9	5
141	Electronic and vibrational spectroscopy studies of PffBT4T \ddot{t} -conjugated donor $\hat{\text{e}}$ acceptor copolymer. <i>Journal of Photonics for Energy</i> , 2018, 8, 1.	1.3	5
142	Light-controlled spintronic device based on hybrid organic $\hat{\text{e}}$ inorganic perovskites. <i>Journal of Photonics for Energy</i> , 2018, 8, 1.	1.3	5
143	Disorder $\hat{\text{e}}$ Induced Dispersive Magneto $\hat{\text{e}}$ Electroluminescence of Blue Emitters in Organic Light Emitting Diodes. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	5
144	Study of Photocarriers Lifetime Distribution in $\hat{\text{e}}$ Si:H via Magneto $\hat{\text{e}}$ Photoconductivity and Magneto $\hat{\text{e}}$ Photoluminescence. <i>Advanced Optical Materials</i> , 0, , 2200499.	7.3	5

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145	Ultrafast dynamics of surface electromagnetic waves in nanohole array on metallic film. Applied Physics B: Lasers and Optics, 2008, 93, 131-138.	2.2	4
146	GIANT MAGNETO-ELECTROLUMINESCENCE FROM HYBRID SPIN-ORGANIC LIGHT EMITTING DIODES. Spin, 2014, 04, 1450002.	1.3	4
147	Printing Air-Stable High-Tc Molecular Magnet with Tunable Magnetic Interaction. Nano Letters, 2022, 22, 545-553.	9.1	4
148	Excited Energy States in Poly(<i>p</i> -Phenylenevinylene). Molecular Crystals and Liquid Crystals, 1994, 256, 1-8.	0.3	3
149	Optical Excitations of Acceptor Substituted Poly-Thiophene Derivatives. Molecular Crystals and Liquid Crystals, 1994, 242, 145-151.	0.3	3
150	Optically Detected Magnetic Resonance Studies of Undoped a-Si:H. Materials Research Society Symposia Proceedings, 1996, 420, 593.	0.1	3
151	SPIN-DEPENDENT RECOMBINATION PROCESSES IN π -CONJUGATED POLYMERS. , 1998, , 292-317.		3
152	Optical studies of native defects in π -conjugated donor-acceptor copolymers. Journal of Applied Physics, 2018, 123, .	2.5	3
153	Nonlinear Optical Susceptibilities Measured in Poly(Paraphenylene Cumulene[3]) by the Z Scan Technique. Molecular Crystals and Liquid Crystals, 1994, 256, 605-610.	0.3	2
154	Photoluminescence, Electroluminescence, Lasing and Novel Characteristics in Photonic Crystal, Synthetic Opal, of Conducting Polymers, Polyacetylene Derivatives. Molecular Crystals and Liquid Crystals, 1998, 322, 253-262.	0.3	2
155	The effects of charge injection in single-wall carbon nanotubes studied by charge-induced absorption. Applied Physics Letters, 2011, 98, 263110.	3.3	2
156	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
157	Studies of photoexcitations in polymer/non-fullerene blend for high-efficiency organic solar cells. Applied Physics Letters, 2021, 118, 202109.	3.3	2
158	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
159	Spectral and directional properties of elliptical quantum-dot microlasers. Journal of Photonics for Energy, 2018, 8, 1.	1.3	2
160	Identification of Electronic Transitions in Polyacetylene by Acoustic Phonon Spectroscopy. Molecular Crystals and Liquid Crystals, 1994, 256, 135-142.	0.3	1
161	Studies of Photoexcitations in Poly(Phenylene-Ethynylene-Silane). Molecular Crystals and Liquid Crystals, 1994, 256, 513-518.	0.3	1
162	Picosecond Time Resolved Excited State Studies of C ₆₀ and C ₇₀ Thin Films. Molecular Crystals and Liquid Crystals, 1994, 256, 763-768.	0.3	1

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163	Spin Dependent Photoinduced Absorption in a-Si:H. Materials Research Society Symposia Proceedings, 1997, 467, 179.	0.1	1
164	Magneto-Transport Studies Of Fe/Alq3/Co Organic Spin-Valves. AIP Conference Proceedings, 2005, , .	0.4	1
165	THE EFFECT OF LIGHT-INDUCED METASTABLE DEFECTS ON THE MAGNETO-CONDUCTANCE OF POLY(PHENYLENE-VINYLENE) DIODES. Spin, 2014, 04, 1440012.	1.3	1
166	Organic Light-Emitting Diodes: Magnetic Field Enhancement of Organic Light-Emitting Diodes Based on Electron Donor-Acceptor Exciplex (Adv. Electron. Mater. 2/2016). Advanced Electronic Materials, 2016, 2, .	5.1	1
167	Giant Magnetoresistance in Organic Spin Valves. Materials and Energy, 2018, , 1-62.	0.1	1
168	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
169	Infrared Ultrafast Optical Probes of Photoexcitations in π -Conjugated Organic Semiconductors. AIP Conference Proceedings, 2005, , .	0.4	0
170	Optical Studies of Spin Coherence in Organic Semiconductors. AIP Conference Proceedings, 2005, , .	0.4	0
171	Organic Spin-Valves: Physics and Applications. AIP Conference Proceedings, 2005, , .	0.4	0
172	Resonantly Enhanced Terahertz Transmission Through Aperiodic Arrays of Subwavelength Apertures. , 2007, , .		0
173	Dielectric response of plasmonic lattices. , 2008, , .		0
174	Characterizing sub-wavelength apertures using terahertz spectroscopy. , 2008, , .		0
175	Optical modulation of THz plasmonic resonances using perovskites. , 2016, , .		0
176	EFFECTS OF MAGNETIC FIELDS IN ORGANIC DEVICES: BASIC CONCEPTS. Materials and Energy, 2016, , 299-319.	0.1	0
177	The Magnetic Field Effect in Organic Films and Devices; Application of the Spin Pair Model. Materials and Energy, 2018, , 1-38.	0.1	0
178	Magnetic Field Effects in Organic and Hybrid Materials with Spin-Orbit Coupling. Materials and Energy, 2018, , 339-375.	0.1	0
179	Reply to "Comment on "Optical detection of transverse spin-Seebeck effect in permalloy film using Sagnac interferometer microscopy" " Physical Review B, 2019, 99, .	3.2	0
180	Enhanced transmission through subwavelength aperture arrays with short range order. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
181	Studies of Magnetic Field Effect on Ultrafast Dynamics of Photoexcitations in Donor-acceptor Copolymers and Hybrid Organic/Inorganic Perovskites. , 2022, , 207-233.		0
182	Spintronic Devices Based on Hybrid Organic-Inorganic Perovskites. , 2022, , 87-112.		0