Mukundan Thelakkat

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238 10,304 53 92 h-index g-index citations papers 6.8 6.46 263 11,137 L-index avg, IF ext. papers ext. citations

#	Paper	IF	Citations
238	Star-Shaped, Dendrimeric and Polymeric Triarylamines as Photoconductors and Hole Transport Materials for Electro-Optical Applications. <i>Macromolecular Materials and Engineering</i> , 2002 , 287, 442	3.9	384
237	Synthesis and Properties of Novel Derivatives of 1,3,5-Tris(diarylamino)benzenes for Electroluminescent Devices. <i>Advanced Materials</i> , 1998 , 10, 219-223	24	334
236	Highly efficient solar cells using TiO(2) nanotube arrays sensitized with a donor-antenna dye. <i>Nano Letters</i> , 2008 , 8, 1654-9	11.5	256
235	Systematic investigation of the role of compact TiO2 layer in solid state dye-sensitized TiO2 solar cells. <i>Coordination Chemistry Reviews</i> , 2004 , 248, 1479-1489	23.2	244
234	Capturing the Sun: A Review of the Challenges and Perspectives of Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1700264	21.8	235
233	Characterization of the adsorption of Ru-bpy dyes on mesoporous TiO2 films with UV-Vis, Raman, and FTIR spectroscopies. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 8723-30	3.4	233
232	Supermolecular control of charge transfer in dye-sensitized nanocrystalline TiO2 films: towards a quantitative structure-function relationship. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5740	-4 ^{16.4}	216
231	Swallow-tail substituted liquid crystalline perylene bisimides: synthesis and thermotropic properties. <i>Journal of the American Chemical Society</i> , 2009 , 131, 14442-53	16.4	200
230	Crystalline-crystalline donor-acceptor block copolymers. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7901-4	16.4	199
229	Charge separation at self-assembled nanostructured bulk interface in block copolymers. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 3364-8	16.4	194
228	Temperature and Molecular Weight Dependent Hierarchical Equilibrium Structures in Semiconducting Poly(3-hexylthiophene). <i>Macromolecules</i> , 2010 , 43, 4646-4653	5.5	183
227	Control of aggregate formation in poly(3-hexylthiophene) by solvent, molecular weight, and synthetic method. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012 , 50, 442-453	2.6	181
226	Highly Efficient Solid-State Dye-Sensitized TiO2 Solar Cells Using Donor-Antenna Dyes Capable of Multistep Charge-Transfer Cascades. <i>Advanced Materials</i> , 2007 , 19, 1091-1095	24	175
225	Solid-state dye-sensitized solar cells using red and near-IR absorbing Bodipy sensitizers. <i>Organic Letters</i> , 2010 , 12, 3812-5	6.2	168
224	Microphase-Separated DonorAcceptor Diblock Copolymers: Influence of HOMO Energy Levels and Morphology on Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2007 , 17, 1493-1500	15.6	160
223	Donor acceptor block copolymers for photovoltaic applications. <i>Journal of Materials Chemistry</i> , 2010 , 20, 10788		147
222	Nanostructures of n-Type Organic Semiconductor in a p-Type Matrix via Self-Assembly of Block Copolymers. <i>Macromolecules</i> , 2004 , 37, 8832-8835	5.5	141

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221	Plasmonic nanomeshes: their ambivalent role as transparent electrodes in organic solar cells. <i>Scientific Reports</i> , 2017 , 7, 42530	4.9	140
220	Fully Vapor-Deposited Thin-Layer Titanium Dioxide Solar Cells. Advanced Materials, 2002, 14, 577	24	139
219	Toward Perfect Control of End Groups and Polydispersity in Poly(3-hexylthiophene) via Catalyst Transfer Polymerization. <i>Macromolecules</i> , 2011 , 44, 3388-3397	5.5	136
218	Self-assembly of semiconductor organogelator nanowires for photoinduced charge separation. <i>ACS Nano</i> , 2009 , 3, 1107-14	16.7	123
217	High Crystallinity and Nature of Crystal Trystal Phase Transformations in Regioregular Poly(3-hexylthiophene). <i>Macromolecules</i> , 2010 , 43, 9401-9410	5.5	118
216	A high transconductance accumulation mode electrochemical transistor. <i>Advanced Materials</i> , 2014 , 26, 7450-5	24	116
215	LithiumQuinolate Complexes as Emitter and Interface Materials in Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2000 , 12, 3012-3019	9.6	111
214	Synthesis and Characterization of Aromatic Poly(1,3,5-triazinelther)s for Electroluminescent Devices. <i>Macromolecules</i> , 1997 , 30, 8177-8181	5.5	109
213	Effect of Thermal and Structural Disorder on the Electronic Structure of Hybrid Perovskite Semiconductor CH3NH3PbI3. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3014-21	6.4	108
212	The role of PbI in CHNHPbI perovskite stability, solar cell parameters and device degradation. <i>Physical Chemistry Chemical Physics</i> , 2017 , 20, 605-614	3.6	106
211	Colloidal self-assembly concepts for light management in photovoltaics. <i>Materials Today</i> , 2015 , 18, 185	- 2:0:5 8	105
21 0	Polymeric Light-Emitting Diodes Based on Poly(p-phenylene ethynylene), Poly(triphenyldiamine), and Spiroquinoxaline. <i>Advanced Functional Materials</i> , 2001 , 11, 41-46	15.6	104
209	Low molecular weight and polymeric heterocyclics as electron transport/hole-blocking materials in organic light-emitting diodes. <i>Polymers for Advanced Technologies</i> , 1998 , 9, 429-442	3.2	102
208	n-type organic field effect transistors from perylene bisimide block copolymers and homopolymers. <i>Applied Physics Letters</i> , 2008 , 92, 093302	3.4	99
207	Optical and Electronic Contributions in Double-Heterojunction Organic Thin-Film Solar Cells. <i>Advanced Materials</i> , 2003 , 15, 2056-2060	24	99
206	Synthesis of Amphiphilic Rod © oil P3HT-b-P4VP Carrying a Long Conjugated Block Using NMRP and Click Chemistry. <i>Macromolecules</i> , 2012 , 45, 3070-3077	5.5	96
205	Synthesis and Application of Dimeric 1,3,5-Triazine Ethers as Hole-Blocking Materials in Electroluminescent Devices. <i>Chemistry of Materials</i> , 1998 , 10, 3620-3625	9.6	96
204	Reducing charge recombination losses in solid state dye sensitized solar cells: the use of donor-acceptor sensitizer dyes. <i>Chemical Communications</i> , 2007 , 1725-7	5.8	79

203	Characterization of perovskite solar cells: Towards a reliable measurement protocol. <i>APL Materials</i> , 2016 , 4, 091901	5.7	79
202	High Bulk Electron Mobility Diketopyrrolopyrrole Copolymers with Perfluorothiophene. <i>Advanced Functional Materials</i> , 2015 , 25, 2725-2736	15.6	78
201	A Combinatorial Study of the Dependence of Organic LED Characteristics on Layer Thickness. <i>Advanced Materials</i> , 1999 , 11, 821-826	24	78
200	Influence of molecular weight on the solar cell performance of double-crystalline donor-acceptor block copolymers. <i>Applied Physics Letters</i> , 2009 , 95, 183308	3.4	77
199	Correlation of charge transport with structural order in highly ordered melt-crystallized poly(3-hexylthiophene) thin films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013 , 51, 943-951	2.6	72
198	Spectroscopic Signature of Two Distinct H-Aggregate Species in Poly(3-hexylthiophene). <i>Macromolecules</i> , 2015 , 48, 1543-1553	5.5	68
197	Key aspects of individual layers in solid-state dye-sensitized solar cells and novel concepts to improve their performance. <i>Inorganica Chimica Acta</i> , 2008 , 361, 635-655	2.7	68
196	Synthesis and Characterization of Bifunctional Polymers Carrying Tris(bipyridyl)ruthenium(II) and Triphenylamine Units. <i>Macromolecules</i> , 2003 , 36, 1779-1785	5.5	65
195	Synthesis and Characterization of Highly Fluorescent Main-Chain Copolyimides Containing Perylene and Quinoxaline Units. <i>Macromolecules</i> , 2001 , 34, 7441-7447	5.5	64
194	Determination of the Crystallinity of Semicrystalline Poly(3-hexylthiophene) by Means of Wide-Angle X-ray Scattering. <i>Macromolecules</i> , 2013 , 46, 9642-9651	5.5	61
193	Influence of doping on charge carrier collection in normal and inverted geometry polymer:fullerene solar cells. <i>Scientific Reports</i> , 2013 , 3,	4.9	57
192	Highly efficient solid-state dye-sensitized TiO2 solar cells via control of retardation of recombination using novel donor-antenna dyes. <i>Solar Energy Materials and Solar Cells</i> , 2007 , 91, 432-439	9 ^{6.4}	57
191	Nanostructured semiconductor block copolymers: Lacking, optical and electrochemical properties. <i>Organic Electronics</i> , 2007 , 8, 69-75	3.5	56
190	Environmental exposure enhances the internalization of microplastic particles into cells. <i>Science Advances</i> , 2020 , 6,	14.3	55
189	Mutual interplay of light harvesting and triplet sensitizing in a perylene bisimide antenna-fullerene dyad. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 9148-56	3.4	54
188	Phase Separation in the Melt and Confined Crystallization as the Key to Well-Ordered Microphase Separated DonorAcceptor Block Copolymers. <i>Macromolecules</i> , 2013 , 46, 4403-4410	5.5	53
187	Influence of the solvent on the surface-enhanced raman spectra of ruthenium(II) bipyridyl complexes. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 5783-9	3.4	53
186	Poly(triarylamine)s- synthesis and application in electroluminescent devices and photovoltaics. <i>Synthetic Metals</i> , 1999 , 102, 1125-1128	3.6	53

(2004-2020)

Role of PCBM in the Suppression of Hysteresis in Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020 , 30, 1908920	15.6	52
Tailor-made synthesis of poly(3-hexylthiophene) with carboxylic end groups and its application as a polymer sensitizer in solid-state dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4126	5	52
Econjugated Donor Polymers: Structure Formation and Morphology in Solution, Bulk and Photovoltaic Blends. <i>Advanced Energy Materials</i> , 2017 , 7, 1700314	21.8	51
Controlled solvent vapour annealing for polymer electronics. <i>Soft Matter</i> , 2009 , 5, 4206	3.6	51
Double peak emission in lead halide perovskites by self-absorption. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 2289-2300	7.1	51
Synthesis, spectral, electrochemical and photovoltaic properties of novel heteroleptic polypyridyl ruthenium(II) donor-antenna dyes. <i>Journal of Materials Chemistry</i> , 2009 , 19, 5364		50
Novel functional materials based on triarylaminesBynthesis and application in electroluminescent devices and photorefractive systems. <i>Physical Chemistry Chemical Physics</i> , 1999 , 1, 1693-1698	3.6	50
A cracked polymer templated metal network as a transparent conducting electrode for ITO-free organic solar cells. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 15107-10	3.6	49
An organic optical transistor operated under ambient conditions. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11405-8	16.4	49
The Impact of Polydispersity and Molecular Weight on the Order-Disorder Transition in Poly(3-hexylthiophene). <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2742-7	6.4	47
High Extinction Coefficient Antenna Dye in Solid-State Dye-Sensitized Solar Cells: A Photophysical and Electronic Study. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 7562-7566	3.8	47
Perylenediimides with electron transport moieties for electroluminescent devices. <i>Synthetic Metals</i> , 1999 , 102, 1110-1112	3.6	47
Enhancing the solar cell efficiency through pristine 1-dimentional SnO2 nanostructures: Comparison of charge transport and carrier lifetime of SnO2 particles vs. nanorods. <i>Electrochimica Acta</i> , 2012 , 72, 192-198	6.7	46
The Key Role of Side Chain Linkage in Structure Formation and Mixed Conduction of Ethylene Glycol Substituted Polythiophenes. <i>ACS Applied Materials & amp; Interfaces</i> , 2020 , 12, 13029-13039	9.5	43
Combinatorial study of the long-term stability of organic thin-film solar cells. <i>Applied Physics Letters</i> , 2002 , 81, 2106-2108	3.4	43
Photorefractive triphenylamine-based glass: a multifunctional low molecular weight compound with fast holographic response. <i>Journal of Materials Chemistry</i> , 1999 , 9, 2205-2210		43
NMRP versus Click Chemistry for the Synthesis of Semiconductor Polymers Carrying Pendant Perylene Bisimides. <i>Macromolecules</i> , 2010 , 43, 7001-7010	5.5	41
Dual-functional materials for interface modifications in solid-state dye-sensitised TiO2 solar cells. Applied Physics A: Materials Science and Processing, 2004, 79, 65-71	2.6	41
	Tailor-made synthesis of poly(3-hexylthiophene) with carboxylic end groups and its application as a polymer sensitizer in solid-state dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2009, 19, 4126. EConjugated Donor Polymers: Structure Formation and Morphology in Solution, Bulk and Photovoltaic Blends. <i>Advanced Energy Materials</i> , 2017, 7, 1700314 Controlled solvent vapour annealing for polymer electronics. <i>Soft Matter</i> , 2009, 5, 4206 Double peak emission in lead halide perovskites by self-absorption. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2289-2300 Synthesis, spectral, electrochemical and photovoltaic properties of novel heteroleptic polypyridyl ruthenium(III) donor-antenna dyes. <i>Journal of Materials Chemistry</i> , 2009, 19, 5364 Novel functional materials based on triarylaminesBynthesis and application in electroluminescent devices and photorefractive systems. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 1693-1698 A cracked polymer templated metal network as a transparent conducting electrode for ITO-free organic solar cells. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15107-10 An organic optical transistor operated under ambient conditions. <i>Angewandte Chemie-International Edition</i> , 2011, 50, 11405-8 The Impact of Polydispersity and Molecular Weight on the Order-Disorder Transition in Poly(3-hexylthiophene). <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2742-7 High Extinction Coefficient & AntennaDye in Solid-State Dye-Sensitized Solar Cells: A Photophysical and Electronic Study. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7562-7566 Perylenediimides with electron transport moieties for electroluminescent devices. <i>Synthetic Metals</i> , 1999, 102, 1110-1112 Enhancing the solar cell efficiency through pristine 1-dimentional SnO2 nanostructures: Comparison of charge transport and carrier lifetime of SnO2 particles vs. nanorods. <i>Electrochimica Acca</i> , 2012, 72, 192-198 The Key Role of Side Chain Linkage in Structure Formation and Mixed Conduction of Ethylene Glycol Subst	Tailor-made synthesis of poly(3-hexylthiophene) with carboxylic end groups and its application as a polymer sensitizer in solid-state dye-sensitized solar cells. Journal of Materials Chemistry, 2009, 19, 4126 Econjugated Donor Polymers: Structure Formation and Morphology in Solution, Bulk and Photovoltaic Blends. Advanced Energy Materials, 2017, 7, 1700314 Controlled solvent vapour annealing for polymer electronics. Soft Matter, 2009, 5, 4206 36 Double peak emission in lead halide perovskites by self-absorption. Journal of Materials Chemistry C. 7.1 Synthesis, spectral, electrochemical and photovoltaic properties of novel heteroleptic polypyridyl ruthenium(II) donor-antenna dyes. Journal of Materials Chemistry, 2009, 19, 5364 Novel functional materials based on triarylamines@ynthesis and application in electroluminescent devices and photorefractive systems. Physical Chemistry Chemical Physics, 1999, 1, 1693-1698 A cracked polymer templated metal network as a transparent conducting electrode for ITO-free organic solar cells. Physical Chemistry Chemical Physics, 2014, 16, 15107-10 An organic optic atransistor operated under ambient conditions. Angewandte Chemie-International Edition, 2011, 50, 11405-8 164 High Extinction Coefficient EntennaDye in Solid-State Dye-Sensitized Solar Cells: A Photophysical and Electronic Study. Journal of Physical Chemistry Letters, 2014, 5, 2742-7 High Extinction Coefficient EntennaDye in Solid-State Dye-Sensitized Solar Cells: A Photophysical and Electronic Study. Journal of Physical Chemistry Comparison of charge transport and carrier lifetime of SnO2 particles vs. nanorods. Electrochimica Acta, 2012, 712, 192-198 The Key Role of Side Chain Linkage in Structure Formation and Mixed Conduction of Ethylene Glycol Substituted Polythiophenes. ACS Applied Materials & Emp. Interfaces, 2020, 12, 13029-13039 95 Combinatorial study of the long-term stability of organic thin-film solar cells. Applied Physics Letters, 2002, 81, 2106-2108 NMRP versus Elick/Ehemistry for the Synth

167	Efficient screening of electron transport material in multi-layer organic light emitting diodes by combinatorial methods. <i>Physical Chemistry Chemical Physics</i> , 1999 , 1, 1777-1781	3.6	41
166	Semiconductor Block Copolymer Nanocomposites with Lamellar Morphology via Self-Organization. <i>Macromolecules</i> , 2008 , 41, 6081-6088	5.5	39
165	Electron-Conducting Block Copolymers: Morphological, Optical, and Electronic Properties. <i>Advanced Materials</i> , 2008 , 20, 2523-2527	24	39
164	Control of Molecular Orientation in Polydiketopyrrolopyrrole Copolymers via Diffusive Noncovalent Interactions. <i>Chemistry of Materials</i> , 2016 , 28, 7088-7097	9.6	38
163	Impact of excess PbI2 on the structure and the temperature dependent optical properties of methylammonium lead iodide perovskites. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7512-7519	7.1	38
162	High-Performance Organic Electrochemical Transistors Based on Conjugated Polyelectrolyte Copolymers. <i>Chemistry of Materials</i> , 2019 , 31, 5286-5295	9.6	38
161	Synthesis and Characterization of Donor B ridgeAcceptor Molecule Containing Tetraphenylbenzidine and Perylene Bisimide. <i>Chemistry of Materials</i> , 2007 , 19, 88-94	9.6	38
160	Crystalline vs Liquid Crystalline Perylene Bisimides: Improved Electron Mobility via Substituent Alteration. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 92-102	3.8	37
159	Complementary co-sensitization of an aggregating squaraine dye in solid-state dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2013 , 99, 1101-1106	4.6	37
158	Synthesis and Characterization of Poly(triarylamine)s Containing Isothianaphthene Moieties. <i>Macromolecules</i> , 2004 , 37, 8951-8958	5.5	37
157	Polymer Thermoelectrics: Opportunities and Challenges. <i>Macromolecules</i> , 2020 , 53, 3632-3642	5.5	36
156	Controlled Synthesis of Water-Soluble Conjugated Polyelectrolytes Leading to Excellent Hole Transport Mobility. <i>Chemistry of Materials</i> , 2014 , 26, 1992-1998	9.6	36
155	Heteroleptic ruthenium complex containing substituted triphenylamine hole-transport unit as sensitizer for stable dye-sensitized solar cell. <i>Nano Energy</i> , 2012 , 1, 6-12	17.1	36
154	Reversible Laser-Induced Amplified Spontaneous Emission from Coexisting Tetragonal and Orthorhombic Phases in Hybrid Lead Halide Perovskites. <i>Advanced Optical Materials</i> , 2016 , 4, 917-928	8.1	35
153	Tunable charge transport using supramolecular self-assembly of nanostructured crystalline block copolymers. <i>ACS Nano</i> , 2011 , 5, 3506-15	16.7	35
152	Electroluminescent Behavior of a Homologous Series of Phenylenevinylene Oligomers. <i>Advanced Materials</i> , 1999 , 11, 119-123	24	35
151	Different mesoporous titania films for solid-state dye sensitised solar cells. <i>Thin Solid Films</i> , 2006 , 511-512, 187-194	2.2	34
150	Synthesis of low melting hole conductor systems based on triarylamines and application in dye sensitized solar cells. <i>Synthetic Metals</i> , 2001 , 121, 1573-1574	3.6	33

149	Room temperature liquid crystalline perylene diester benzimidazoles with extended absorption. Journal of Materials Chemistry, 2010 , 20, 8646		32
148	Charge separation and recombination in self-organizing nanostructured donor acceptor block copolymer films. <i>Journal of Materials Chemistry</i> , 2009 , 19, 5436		32
147	Conjugated Polyelectrolyte Blends for Highly Stable Accumulation-Mode Electrochemical Transistors. <i>Chemistry of Materials</i> , 2017 , 29, 4293-4300	9.6	31
146	Direct observation of backbone planarization via side-chain alignment in single bulky-substituted polythiophenes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 2699-2704	11.5	31
145	Liquid-Crystalline Perylene Diester Polymers with Tunable Charge-Carrier Mobility. <i>Advanced Functional Materials</i> , 2011 , 21, 4510-4518	15.6	31
144	Spectroelectrochemical studies of hole percolation on functionalised nanocrystalline TiO2 films: a comparison of two different ruthenium complexes. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 1575-	8 ³⁴ 6	31
143	Synthesis and structure elucidation of discotic liquid crystalline perylene imide benzimidazole. <i>Chemical Communications</i> , 2010 , 46, 2328-30	5.8	30
142	Thermotropic Behavior, Packing, and Thin Film Structure of an Electron Accepting Side-Chain Polymer. <i>Macromolecules</i> , 2012 , 45, 5676-5683	5.5	29
141	Materials Screening and Combinatorial Development of Thin Film Multilayer Electro-Optical Devices. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 204-223	4.8	28
140	Roadmap on organicIhorganic hybrid perovskite semiconductors and devices. <i>APL Materials</i> , 2021 , 9, 109202	5.7	28
139	Emitting Species of Poly(3-hexylthiophene): From Single, Isolated Chains to Bulk. <i>Macromolecules</i> , 2016 , 49, 9553-9560	5.5	28
138	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
137	Poly-(3-hexylthiophene) bottlebrush copolymers with tailored side-chain lengths and high charge carrier mobilities. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5370-5378	7.1	27
136	Synthesis of donor-substituted meso-phenyl and meso-ethynylphenyl BODIPYs with broad absorption. <i>New Journal of Chemistry</i> , 2013 , 37, 1417	3.6	26
135	Integration of TiO2nanotube arrays into solid-state dye-sensitized solar cells. <i>EPJ Applied Physics</i> , 2011 , 53, 20601	1.1	26
134	Synthesis, mesomorphism and electrochemical properties of tetrasubstituted zinc and copper phthalocyanines. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3161		26
133	Hybrid solar cells with novel hole transporting poly(triphenyldiamine)s. Synthetic Metals, 2001, 121, 154	3-654	426
132	Perovskite solar cells involving poly(tetraphenylbenzidine)s: investigation of hole carrier mobility, doping effects and photovoltaic properties. <i>RSC Advances</i> , 2014 , 4, 43550-43559	3.7	25

131	Synthesis and properties of novel hole transport materials for electroluminescent devices. Macromolecular Symposia, 1998 , 125, 157-164	0.8	25
130	Principles of Structural Design of Conjugated Polymers Showing Excellent Charge Transport toward Thermoelectrics and Bioelectronics Applications. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800915	4.8	24
129	Transparent Metal Network with Low Haze and High Figure of Merit applied to Front and Back Electrodes in Semitransparent ITO-free Polymer Solar Cells. <i>Energy Technology</i> , 2015 , 3, 638-645	3.5	24
128	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
127	Hierarchical Orientation of Crystallinity by Block-Copolymer Patterning and Alignment in an Electric Field. <i>Chemistry of Materials</i> , 2013 , 25, 1063-1070	9.6	24
126	Highly Reproducible and Efficient Perovskite Solar Cells with Extraordinary Stability from Robust CH3NH3PbI3: Towards Large-Area Devices. <i>Energy Technology</i> , 2016 , 4, 449-457	3.5	24
125	Hybrid Photovoltaics [from Fundamentals towards Application. <i>Advanced Energy Materials</i> , 2017 , 7, 1700248	21.8	23
124	Influence of Composition of Amphiphilic Double-Crystalline P3HT-b-PEG Block Copolymers on Structure Formation in Aqueous Solution. <i>Macromolecules</i> , 2016 , 49, 5484-5493	5.5	23
123	Influence of Fullerene Grafting Density on Structure, Dynamics, and Charge Transport in P3HT-b-PPC61BM Block Copolymers. <i>Macromolecules</i> , 2016 , 49, 1637-1647	5.5	23
122	Supermolecular Control of Charge Transfer in Dye-Sensitized Nanocrystalline TiO2 Films: Towards a Quantitative Structure function Relationship. <i>Angewandte Chemie</i> , 2005 , 117, 5886-5890	3.6	23
121	Spectral tuning of light emitting diodes with phenyl-thiophenes. Synthetic Metals, 1999 , 105, 171-177	3.6	23
120	Influence of fluorination in Extended backbone polydiketopyrrolopyrroles on charge carrier mobility and depth-dependent molecular alignment. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8916-892	23 ^{.1}	22
119	Morphology, Crystal Structure and Charge Transport in Donor-Acceptor Block Copolymer Thin Films. <i>ACS Applied Materials & Donor-Acceptor Block Copolymer Thin Films. ACS Applied Materials & Donor-Acceptor Block Copolymer Thin Films. ACS Applied Materials & Donor-Acceptor Block Copolymer Thin Films. ACS Applied Materials & Donor-Acceptor Block Copolymer Thin Films. ACS Applied Materials & Donor-Acceptor Block Copolymer Thin Films. ACS Applied Materials & Donor-Acceptor Block Copolymer Thin Films. ACS Applied Materials & Donor-Acceptor Block Copolymer Thin Films. ACS Applied Materials & Donor-Acceptor Block Copolymer Thin Films. ACS Applied Materials & Donor-Acceptor Block Copolymer Thin Films. ACS Applied Materials & Donor-Acceptor Block Copolymer Thin Films. ACS Applied Materials & Donor-Acceptor Block Copolymer Thin </i>	9.5	22
118	Organic field effect transistors from triarylamine side-chain polymers. <i>Applied Physics Letters</i> , 2010 , 96, 073503	3.4	22
117	Synthesis and Characterization of Monocarboxylated Poly(3-hexylthiophene)s via Quantitative End-Group Functionalization. <i>Macromolecules</i> , 2010 , 43, 7611-7616	5.5	22
116	Determination of charge carrier mobility of hole transporting polytriarylamine-based diodes. <i>Thin Solid Films</i> , 2010 , 518, 3351-3354	2.2	22
115	Synthesis of novel 1,3-bis(5-diarylaminothiophen-2-yl)isothianaphthenes. <i>Chemical Communications</i> , 2002 , 1530-1	5.8	22
114	Polydiketopyrrolopyrroles Carrying Ethylene Glycol Substituents as Efficient Mixed Ion-Electron Conductors for Biocompatible Organic Electrochemical Transistors. <i>Advanced Functional Materials</i> , 2021 , 31, 2010048	15.6	22

113	Influence of charge carrier mobility and morphology on solar cell parameters in devices of mono-and bis-fullerene adducts. <i>Nanotechnology</i> , 2013 , 24, 484001	3.4	21
112	Fast and stable photorefractive systems with compatible photoconductors and bifunctional NLO-dyes. <i>Chemical Physics</i> , 2002 , 285, 133-147	2.3	21
111	Morphology controlled open circuit voltage in polymer solar cells. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011 , 5, 247-249	2.5	20
110	Efficient hybrid polymer/titania solar cells sensitized with carboxylated polymer dye. <i>Solar Energy Materials and Solar Cells</i> , 2010 , 94, 817-822	6.4	20
109	Synthesis, characterization and application of donor-acceptor block copolymers in nanostructured bulk heterojunction solar cells. <i>EPJ Applied Physics</i> , 2006 , 36, 245-249	1.1	20
108	Combinatorial preparation and characterization of thin-film multilayer electro-optical devices. <i>Review of Scientific Instruments</i> , 2007 , 78, 072216	1.7	20
107	Crystallinity of poly(3-hexylthiophene) in thin films determined by fast scanning calorimetry. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 1791-1801	2.6	20
106	Synthesis and Comparative Studies of Solvent-Free Brush Polymer Electrolytes for Lithium Batteries. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3373-3388	6.1	19
105	Donor Ecceptor block copolymers carrying pendant PC71BM fullerenes with an ordered nanoscale morphology. <i>Polymer Chemistry</i> , 2015 , 6, 813-826	4.9	19
104	Modular synthesis of poly(perylene bisimides) using click chemistry: a comparative study. <i>Polymer Chemistry</i> , 2011 , 2, 2213	4.9	19
103	Fullerene-Grafted Copolymers Exhibiting High Electron Mobility without Nanocrystal Formation. <i>Macromolecules</i> , 2014 , 47, 2324-2332	5.5	18
102	Morphological and Device Evaluation of an Amphiphilic Block Copolymer for Organic Photovoltaic Applications. <i>Macromolecules</i> , 2017 , 50, 4942-4951	5.5	18
101	A comparative study of a polyene-diphenylaniline dye and Ru(dcbpy)2(NCS)2 in electrolyte-based and solid-state dye-sensitized solar cells. <i>Thin Solid Films</i> , 2008 , 516, 7214-7217	2.2	18
100	Compact Layers of Hybrid Halide Perovskites Fabricated via the Aerosol Deposition Process-Uncoupling Material Synthesis and Layer Formation. <i>Materials</i> , 2016 , 9,	3.5	18
99	Macroscopic vertical alignment of nanodomains in thin films of semiconductor amphiphilic block copolymers. <i>ACS Nano</i> , 2013 , 7, 6069-78	16.7	17
98	Pendant perylene polymers with high electron mobility. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013 , 51, 1480-1486	2.6	17
97	Localizing trapped charge carriers in NO2 sensors based on organic field-effect transistors. <i>Applied Physics Letters</i> , 2012 , 101, 153302	3.4	17
96	Light-emitting diodes based on phenylenevinylene oligomers with defined chain lengths. <i>Synthetic Metals</i> , 1997 , 90, 123-126	3.6	17

95	Azido-Functionalized Thiophene as a Versatile Building Block To Cross-Link Low-Bandgap Polymers. <i>Macromolecules</i> , 2016 , 49, 3749-3760	5.5	17
94	Smaller Counter Cation for Higher Transconductance in Anionic Conjugated Polyelectrolytes. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1700374	2.6	17
93	Surface induced orientation and vertically layered morphology in thin films of poly(3-hexylthiophene) crystallized from the melt. <i>Journal of Materials Research</i> , 2017 , 32, 1957-1968	2.5	16
92	Investigating solid polymer and ceramic electrolytes for lithium-ion batteries by means of an extended Distribution of Relaxation Times analysis. <i>Electrochimica Acta</i> , 2020 , 344, 136060	6.7	16
91	EDOTBiketopyrrolopyrrole copolymers for polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3477-3486	13	16
90	Diketopyrrolopyrroles with a Distinct Energy Level Cascade for Efficient Charge Carrier Generation in Organic Solar Cells. <i>Advanced Energy Materials</i> , 2015 , 5, 1500914	21.8	16
89	Solid-state dye-sensitized solar cells fabricated with nanoporous TiO2 and TPD dyes: Analysis of penetration behavior and IIV characteristics. <i>Chemical Physics Letters</i> , 2011 , 510, 93-98	2.5	16
88	Fluorescent Dye-Labeled Polymers Carrying Triphenylamine, Styrene, or Acrylate Pendant Groups. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 2084-2092	2.6	16
87	Functional Brush Poly(2-ethyl-2-oxazine)s: Synthesis by CROP and RAFT, Thermoresponsiveness and Grafting onto Iron Oxide Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e180091	1 ^{4.8}	16
86	Towards the characterization of energy-transfer processes in organic donor\(\text{dcceptor}\) dyads based on triphenyldiamine and perylenebisimides. \(\textit{Chemical Physics}\), \(\textit{2006}\), 328, 403-409	2.3	15
85	Poly[bis(triphenylamine) ether]s with low glass transition temperatures as photoconductors in fast photorefractive systems. <i>Journal of Materials Chemistry</i> , 2002 , 12, 58-64		15
84	Fluorination in thieno[3,4-c]pyrrole-4,6-dione copolymers leading to electron transport, high crystallinity and end-on alignment. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7527-7534	7.1	14
83	Donor Acceptor Block Copolymers with Nanoscale Morphology for Photovoltaic Applications. <i>Advances in Polymer Science</i> , 2009 , 123-153	1.3	14
82	Semiconductor amphiphilic block copolymers for hybrid donorEcceptor nanocomposites. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24386		13
81	Efficient and stable, structurally inverted poly(3-hexylthiopen): [6,6]-phenyl-C61-butyric acid methyl ester heterojunction solar cells with fibrous like poly(3-hexylthiopen). <i>Thin Solid Films</i> , 2011 , 520, 582-5	9 0 .2	13
80	Semiconductor dendritic-linear block copolymers by nitroxide mediated radical polymerization. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 1243-8	4.8	13
79	Energy- and charge-transfer processes in flexible organic donor-acceptor dyads. <i>Journal of Chemical Physics</i> , 2009 , 131, 144512	3.9	13
78	Efficient screening of materials and fast optimization of vapor deposited OLED characteristics. Macromolecular Symposia, 2000, 154, 209-222	0.8	13

(2018-2013)

77	Optical absorption in donor-acceptor polymersalternating vs. random. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 20016-25	3.6	12
76	Optical gating of perylene bisimide fluorescence using dithienylcyclopentene photochromic switches. <i>Applied Physics Letters</i> , 2013 , 103, 221115	3.4	12
75	The influence of Estacking on the light-harvesting properties of perylene bisimide antennas that are covalently linked to a [60]fullerene. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 14485-91	3.6	12
74	Multichromophore light harvesting in hybrid solar cells. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 12906-11	3.6	12
73	The influence of the time-of-flight mobility on the efficiency of solid-state dye-sensitized TiO2 solar cells. <i>Applied Physics Letters</i> , 2004 , 85, 6185-6187	3.4	12
72	HOMO-HOMO Electron Transfer: An Elegant Strategy for p-Type Doping of Polymer Semiconductors toward Thermoelectric Applications. <i>Advanced Materials</i> , 2020 , 32, e2003596	24	12
71	Modular Synthesis and Structure Analysis of P3HT-b-PPBI Donor Acceptor Diblock Copolymers. <i>Macromolecules</i> , 2018 , 51, 7044-7051	5.5	12
70	EDOT-diketopyrrolopyrrole copolymers for high bulk hole mobility and near infrared absorption. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 639-648	2.6	11
69	The role of colloidal plasmonic nanostructures in organic solar cells. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 23155-63	3.6	11
68	Li-Salt-Free, Coevaporated Cu(TFSI)2-Doped Hole Conductors for Efficient CH3NH3PbI3 Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3469-3478	6.1	10
67	Conjugated Polyelectrolyte Blend as Photonic Probe of Biomembrane Organization. <i>ChemistrySelect</i> , 2016 , 1, 4340-4344	1.8	10
66	Random vs. alternating donor-acceptor copolymers: A comparative study of absorption and field effect mobility. <i>Polymer</i> , 2014 , 55, 2621-2627	3.9	10
65	Influence of the Excited-State Charge-Transfer Character on the Exciton Dissociation in Donor Acceptor Copolymers. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 27-36	3.8	10
64	Polymer templated nanocrystalline titania network for solid state dye sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7255		10
63	Subsurface Mapping of Amorphous Surface Layers on Poly(3-hexylthiophene). <i>Macromolecules</i> , 2011 , 44, 5874-5877	5.5	10
62	Deliberate Switching of Single Photochromic Triads. <i>Scientific Reports</i> , 2017 , 7, 41739	4.9	9
61	Sequential Co-Click Reactions with Poly(glycidyl propargyl ether) toward Single-Ion Conducting Electrolytes. <i>Macromolecules</i> , 2019 , 52, 4042-4051	5.5	9
60	Highly Efficient and Balanced Charge Transport in Thieno[3,4-c]pyrrole-4,6-dione Copolymers: Dramatic Influence of Thieno[3,2-b]thiophene Comonomer on Alignment and Charge Transport. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 7565-7574	3.8	9

59	Template-Assisted Fabrication of Highly Ordered Interpenetrating Polymeric Donor/Acceptor Nanostructures for Photovoltaic Applications. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 2142-21	136	9
58	An Organic Optical Transistor Operated under Ambient Conditions. <i>Angewandte Chemie</i> , 2011 , 123, 116	97 611	6∮0
57	A comparison of hole blocking/electron transport polymers in organic LEDs. <i>Acta Polymerica</i> , 1998 , 49, 487-494		9
56	Ladungstrennung an selbstorganisierten nanostrukturierten Grenzflühen in Blockcopolymeren. <i>Angewandte Chemie</i> , 2006 , 118, 3442-3446	3.6	9
55	Studies on 3-(2-Ethylhexyl)thiophene Polymers. <i>Macromolecular Materials and Engineering</i> , 2002 , 287, 236	3.9	9
54	Synthesis, Surface Grafting, and Fabrication of Ultrathin Polymeric SAMFETs with High Field-Effect Mobility. <i>ACS Applied Materials & Amp; Interfaces</i> , 2018 , 10, 35441-35448	9.5	9
53	Optical gating with organic building blocks. A quantitative model for the fluorescence modulation of photochromic perylene bisimide dithienylcyclopentene triads. <i>Scientific Reports</i> , 2014 , 4, 4316	4.9	8
52	Influence of Electron Extracting Interface Layers in Organic Bulk-Heterojunction Solar Cells. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500422	4.6	8
51	Avoiding bias effects in NMR experiments for heteronuclear dipole-dipole coupling determinations: principles and application to organic semiconductor materials. <i>ChemPhysChem</i> , 2013 , 14, 3146-55	3.2	8
50	Crystalline@rystalline DonorAcceptor Block Copolymers. <i>Angewandte Chemie</i> , 2008 , 120, 8019-8022	3.6	8
49	Influence of energy levels on the electronic properties of organic light harvesting devices. <i>Synthetic Metals</i> , 2001 , 124, 91-93	3.6	8
48	Investigation of TDAPBs as hole-transporting materials for organic light-emitting devices (OLEDs). <i>Advanced Materials for Optics and Electronics</i> , 1999 , 9, 117-128		8
47	Simultaneous morphological stability and high charge carrier mobilities in donor acceptor block copolymer/PCBM blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 1125-1136	2.6	8
46	Influence of fluorination on the microstructure and performance of diketopyrrolopyrrole-based polymer solar cells. <i>Journal of Polymer Science, Part B: Polymer Physics,</i> 2017 , 55, 49-59	2.6	7
45	Conformational dynamics of di-(perylene bisimide acrylate) and its footprints in steady-state, time-resolved, and fluorescence-correlation spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 7971-80	3.6	7
44	Aromatic polyethers with 1,3,5-triazine units as hole blocking/electron transport materials in leds. <i>Macromolecular Symposia</i> , 1998 , 125, 151-155	0.8	7
43	Trapping on demand: External regulation of excitation energy transfer in a photoswitchable smart matrix. <i>Applied Physics Letters</i> , 2014 , 104, 013304	3.4	6
42	Combinatorial methods for screening and optimization of materials and device parameters in organic light-emitting diodes 1999 ,		6

41	Bis(thienyl) coronene and its electrochemical polymerization. <i>Synthetic Metals</i> , 1995 , 68, 153-155	3.6	6
40	W-Band ENDOR of Light-Induced PPerAcr Anion Radicals in Double-Crystalline Donor B ridge A cceptor P3HT-b-PPerAcr Block Copolymer in Frozen Solution: Experimental and DFT Study. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 22829-22837	3.8	6
39	Poly(3-hexylthiophene)-block-poly(tetrabutylammonium-4-styrenesulfonate) Block Copolymer Micelles for the Synthesis of Polymer Semiconductor Nanocomposites. <i>ACS Applied Nano Materials</i> , 2019 , 2, 2133-2143	5.6	5
38	Nondestructive Probing of a Photoswitchable Dithienylethene Coupled to Plasmonic Nanostructures. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 16528-16532	3.8	5
37	The synthesis and purification of amphiphilic conjugated donor acceptor block copolymers. <i>Polymer Journal</i> , 2017 , 49, 155-161	2.7	5
36	Unravelling the conformations of di-(perylene bisimide acrylate) by combining time-resolved fluorescence-anisotropy experiments and molecular modelling. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 25959-68	3.6	5
35	Infrared sensitizers in titania-based dye-sensitized solar cells using a dimethylferrocene electrolyte. <i>ChemSusChem</i> , 2013 , 6, 2056-60	8.3	5
34	Thermal Degradation Studies of Polythiophenes Containing Hetero Aromatic Side Chains. <i>International Journal of Thermophysics</i> , 2009 , 30, 1074-1087	2.1	5
33	Nanoscale Morphology from Donor Acceptor Block Copolymers: Formation and Functions. <i>Advances in Polymer Science</i> , 2017 , 157-191	1.3	4
32	Temperature dependence of the conversion efficiency of photochromic perylene bisimide dithienylcyclopentene triads embedded in a polymer. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 26	50 <i>6</i> 5-26	50 / 1
31	A photoswitchable poly(3-hexylthiophene). Chemical Communications, 2013, 49, 4637-9	5.8	4
30	Charge Mobility in Nonconjugated Dendrons with Charge Transport Functionality in Every Layer. Journal of Physical Chemistry Letters, 2010 , 1, 1116-1121	6.4	4
29	Local potential distribution of macrophase separated polymer blend domains. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 4855-4865	3	4
28	Novel hole transporting poly(triphenyldiamine)s for application in hybrid solar cells 2001 , 4108, 104		4
27	Densely grafted liquid crystalline copper phthalocyanine side chain polymer: synthesis and characterization. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6259-6268	7.1	4
26	Elucidating the Effect of Interfacial Interactions on Crystal Orientations in Thin Films of Polythiophenes. <i>Macromolecules</i> , 2021 , 54, 5429-5439	5.5	4
25	Influence of Bromo Substitution on Structure and Optoelectronic Properties of Homopolymers and Gradient Copolymers of 3-Hexylthiophene. <i>Macromolecules</i> , 2020 , 53, 2474-2484	5.5	3
24	Excited state dynamics and conformations of a Cu(ii)-phthalocyanine-perylenebisimide dyad. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 22169-22176	3.6	3

23	Undoped and doped poly(tetraphenylbenzidine) as sensitive material for an impedimetric nitrogen dioxide gas dosimeter. <i>Applied Physics Letters</i> , 2014 , 105, 133301	3.4	3
22	Semiconductor Block Copolymers for Photovoltaic Applications 2010 , 317-338		3
21	Fluorescence quenching of substituted polyperylene with functionalized polythiophenes. <i>Journal of Fluorescence</i> , 2008 , 18, 891-8	2.4	3
20	Light-induced X,W-band Electron Spin Resonance study of double-crystalline donor-acceptor P3HT-b-PPerAcr block copolymers in solid thin films. <i>Synthetic Metals</i> , 2016 , 215, 251-259	3.6	3
19	Solid polymer nanocomposite electrolytes with improved interface properties towards lithium metal battery application at room temperature. <i>Electrochimica Acta</i> , 2021 , 387, 138455	6.7	3
18	Tuning of composition and morphology of LiFePO cathode for applications in all solid-state lithium metal batteries <i>Scientific Reports</i> , 2022 , 12, 5454	4.9	3
17	Perovskite Solar Cells: Capturing the Sun: A Review of the Challenges and Perspectives of Perovskite Solar Cells (Adv. Energy Mater. 16/2017). <i>Advanced Energy Materials</i> , 2017 , 7,	21.8	2
16	Synthesis of lithium-quinolate complexes and their use as emitter and interface materials in OLEDs 2001 ,		2
15	Highly Efficient Doping of Conjugated Polymers Using Multielectron Acceptor Salts. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100443	4.8	2
14	The effect of fluorination on chain transfer reactions in the radical polymerization of oligo ethylene glycol ethenesulfonate monomers. <i>Polymer Chemistry</i> , 2018 , 9, 4172-4186	4.9	1
13	Effect of the substrate morphology on the adsorption of Ru-bipyridyl sensitizers on anatase TiO2. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011 , 208, 59-64	1.6	1
12	Temperature dependent measurements on a low-molecular-weight photorefractive glass 2002 , 4462, 217		1
11	Efficient screening of electron transport material in multilayer organic light-emitting diodes by combinatorial methods 1999 ,		1
10	Disorder in P3HT Nanoparticles Probed by Optical Spectroscopy on P3HTPEG Micelles. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 10165-10173	2.8	1
9	Nanostructured Hybrid Metal Mesh as Transparent Conducting Electrodes: Selection Criteria Verification in Perovskite Solar Cells. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
8	A Solution-Processable Pristine PEDOT Exhibiting Excellent Conductivity, Charge Carrier Mobility, and Thermal Stability in the Doped State. <i>Macromolecular Chemistry and Physics</i> , 2021 , 222, 2100123	2.6	O
7	Long-term switching of single photochromic triads based on dithienylcyclopentene and fluorophores at cryogenic temperatures. <i>Journal of Chemical Physics</i> , 2021 , 155, 014901	3.9	О
6	Photosensitizers in Solar Energy Conversion 2011 , 527-617		

LIST OF PUBLICATIONS

Synthesis and properties of new hole transport materials for organic light-emitting devices **1997**, 3148, 306

- 4 Organic Light-Emitting Diodes 2004, 1-5
- New Materials for Organic Photo receptors and Solar Cells. *Chemie-Ingenieur-Technik*, **2001**, 73, 617-618 o.8
- Switching or blinking? The switching behaviour of single photochromic triads. *EPJ Web of Conferences*, **2018**, 190, 04014
- Light controls light: single molecules as optical switches. *EPJ Web of Conferences*, **2018**, 190, 02006 0.3