

# Seth R Marder

## List of Publications by Citations

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29,942  
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L-index

#	Paper	IF	Citations
317	Design of organic molecules with large two-photon absorption cross sections. <i>Science</i> , <b>1998</b> , 281, 1653-63	33.3	1841
316	A universal method to produce low-work function electrodes for organic electronics. <i>Science</i> , <b>2012</b> , 336, 327-32	33.3	1642
315	Non-fullerene acceptors for organic solar cells. <i>Nature Reviews Materials</i> , <b>2018</b> , 3,	73.3	1634
314	Rylene and related diimides for organic electronics. <i>Advanced Materials</i> , <b>2011</b> , 23, 268-84	24	1366
313	A high-mobility electron-transport polymer with broad absorption and its use in field-effect transistors and all-polymer solar cells. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 7246-7	16.4	1023
312	n-Type organic semiconductors in organic electronics. <i>Advanced Materials</i> , <b>2010</b> , 22, 3876-92	24	963
311	Perylene-3,4,9,10-tetracarboxylic acid diimides: synthesis, physical properties, and use in organic electronics. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 2386-407	4.2	839
310	High-Performance Electron Acceptor with Thienyl Side Chains for Organic Photovoltaics. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 4955-61	16.4	831
309	Structure-Property Relationships for Two-Photon Absorbing Chromophores: Bis-Donor Diphenylpolyene and Bis(styryl)benzene Derivatives. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 9500-9510	16.4	768
308	Experimental investigations of organic molecular nonlinear optical polarizabilities. 1. Methods and results on benzene and stilbene derivatives. <i>The Journal of Physical Chemistry</i> , <b>1991</b> , 95, 10631-10643		706
307	Efficient Persistent Room Temperature Phosphorescence in Organic Amorphous Materials under Ambient Conditions. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 3386-3397	15.6	466
306	Organic nonlinear optical materials: where we have been and where we are going. <i>Chemical Communications</i> , <b>2006</b> , 131-4	5.8	417
305	Intrinsic non-radiative voltage losses in fullerene-based organic solar cells. <i>Nature Energy</i> , <b>2017</b> , 2,	62.3	362
304	Hybrid Organic-Inorganic Perovskites (HOIPs): Opportunities and Challenges. <i>Advanced Materials</i> , <b>2015</b> , 27, 5102-12	24	325
303	Effect of Isomerization on High-Performance Nonfullerene Electron Acceptors. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 9140-9147	16.4	296
302	Design of polymethine dyes with large third-order optical nonlinearities and loss figures of merit. <i>Science</i> , <b>2010</b> , 327, 1485-8	33.3	275
301	Studies of the Electronic Structure of Metallocene-Based Second-Order Nonlinear Optical Dyes. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 3715-3723	16.4	245

300	The modification of indium tin oxide with phosphonic acids: mechanism of binding, tuning of surface properties, and potential for use in organic electronic applications. <i>Accounts of Chemical Research</i> , <b>2012</b> , 45, 337-46	24.3	238
299	One- and Two-Photon Spectroscopy of Donor-Acceptor Donor Distyrylbenzene Derivatives: Effect of Cyano Substitution and Distortion from Planarity. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 11470-11480	2.8	215
298	Crystallization Kinetics and Morphology Control of Formamidinium-Cesium Mixed-Cation Lead Mixed-Halide Perovskite via Tunability of the Colloidal Precursor Solution. <i>Advanced Materials</i> , <b>2017</b> , 29, 1607039	24	197
297	Ultralow doping in organic semiconductors: evidence of trap filling. <i>Physical Review Letters</i> , <b>2012</b> , 109, 176601	7.4	192
296	Electronic and optical properties of conjugated group 8 metallocene derivatives. <i>Chemical Communications</i> , <b>2000</b> , 1555-1562	5.8	189
295	Five Orders-of-Magnitude Enhancement of Two-Photon Absorption for Dyes on Silver Nanoparticle Fractal Clusters. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 6853-6863	3.4	188
294	Rapid, Low Temperature Formation of Imine-Linked Covalent Organic Frameworks Catalyzed by Metal Triflates. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 4999-5002	16.4	187
293	Phosphonic Acid Modification of Indium <sup>III</sup> Oxide Electrodes: Combined XPS/UPS/Contact Angle Studies. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 7809-7817	3.8	183
292	Extended squaraine dyes with large two-photon absorption cross-sections. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 14444-5	16.4	181
291	Direct observation of reduced bond-length alternation in donor/acceptor polyenes. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 2524-2526	16.4	175
290	Mechanistic study on the solution-phase n-doping of 1,3-dimethyl-2-aryl-2,3-dihydro-1H-benzimidazole derivatives. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 15018-25	16.4	159
289	Copolymers of perylene diimide with dithienothiophene and dithienopyrrole as electron-transport materials for all-polymer solar cells and field-effect transistors. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 5794		158
288	Stronger acceptors can diminish nonlinear optical response in simple donor-acceptor polyenes. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 3006-3007	16.4	156
287	Controlled doping of large-area trilayer MoS <sub>2</sub> with molecular reductants and oxidants. <i>Advanced Materials</i> , <b>2015</b> , 27, 1175-81	24	155
286	High-speed, sub-15 nm feature size thermochemical nanolithography. <i>Nano Letters</i> , <b>2007</b> , 7, 1064-9	11.5	149
285	Realization of mid-infrared graphene hyperbolic metamaterials. <i>Nature Communications</i> , <b>2016</b> , 7, 10568	17.4	146
284	Double doping of conjugated polymers with monomer molecular dopants. <i>Nature Materials</i> , <b>2019</b> , 18, 149-155	27	146
283	Two-photon absorption at telecommunications wavelengths in a dipolar chromophore with a pyrrole auxiliary donor and thiazole auxiliary acceptor. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 7282-3	16.4	142

282	Dithienopyrrole-based donor-acceptor copolymers: low band-gap materials for charge transport, photovoltaics and electrochromism. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 123-134		140
281	n-Doping of organic electronic materials using air-stable organometallics. <i>Advanced Materials</i> , <b>2012</b> , 24, 699-703	24	138
280	Energy levels, charge injection, charge recombination and dye regeneration dynamics for donor-acceptor $\pi$ -conjugated organic dyes in mesoscopic TiO <sub>2</sub> sensitized solar cells. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 1820	35.4	137
279	Phosphonic Acids for Interfacial Engineering of Transparent Conductive Oxides. <i>Chemical Reviews</i> , <b>2016</b> , 116, 7117-58	68.1	135
278	Bisdioxaborine polymethines with large third-order nonlinearities for all-optical signal processing. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 11362-3	16.4	123
277	Beating the thermodynamic limit with photo-activation of n-doping in organic semiconductors. <i>Nature Materials</i> , <b>2017</b> , 16, 1209-1215	27	120
276	Theoretical Characterization of the Indium Tin Oxide Surface and of Its Binding Sites for Adsorption of Phosphonic Acid Monolayers. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 5131-5133	9.6	120
275	Efficient all-polymer solar cells based on blend of tris(thienylenevinylene)-substituted polythiophene and poly[perylene diimide-alt-bis(dithienothiophene)]. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 073309	3.4	120
274	Acceptor energy level control of charge photogeneration in organic donor/acceptor blends. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 12919-26	16.4	119
273	Aromatic amines: a comparison of electron-donor strengths. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 9346-52	2.8	118
272	Hybrid rylene arrays via combination of Stille coupling and C-H transformation as high-performance electron transport materials. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 5770-3	16.4	117
271	Strong, low-energy two-photon absorption in extended amine-terminated cyano-substituted phenylenevinylene oligomers. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 10844-5	16.4	117
270	Effective solution- and vacuum-processed n-doping by dimers of benzimidazoline radicals. <i>Advanced Materials</i> , <b>2014</b> , 26, 4268-72	24	114
269	Investigating the Influence of Interfacial Contact Properties on Open Circuit Voltages in Organic Photovoltaic Performance: Work Function Versus Selectivity. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 647-656	21.8	111
268	Solution-Processed Molecular Bis(Naphthalene Diimide) Derivatives with High Electron Mobility. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 3408-3410	9.6	104
267	Design of Organic Chromophores for All-Optical Signal Processing Applications. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 549-560	9.6	102
266	Room-temperature discotic liquid-crystalline coronene diimides exhibiting high charge-carrier mobility in air. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 6688		100
265	Solution-based electrical doping of semiconducting polymer films over a limited depth. <i>Nature Materials</i> , <b>2017</b> , 16, 474-480	27	95

264	Heteroannulated acceptors based on benzothiadiazole. <i>Materials Horizons</i> , <b>2015</b> , 2, 22-36	14.4	94
263	Characterization of phosphonic acid binding to zinc oxide. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 3107		92
262	Humidity Sensing through Reversible Isomerization of a Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 783-791	16.4	90
261	Decamethylcobaltocene as an efficient n-dopant in organic electronic materials and devices. <i>Organic Electronics</i> , <b>2008</b> , 9, 575-581	3.5	89
260	Stability of inverted organic solar cells with ZnO contact layers deposited from precursor solutions. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 592-601	35.4	88
259	N-type doping of an electron-transport material by controlled gas-phase incorporation of cobaltocene. <i>Chemical Physics Letters</i> , <b>2006</b> , 431, 67-71	2.5	86
258	Electron-Transport Properties and Use in Organic Light-Emitting Diodes of a Bis(dioxaborine)fluorene Derivative. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 8647-8651	3.4	86
257	Benzothiadiazole-Dithienopyrrole Donor-Acceptor-Donor and Acceptor-Donor-Acceptor Triads: Synthesis and Optical, Electrochemical, and Charge-Transport Properties. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 23149-23163	3.8	85
256	25th anniversary article: Design of polymethine dyes for all-optical switching applications: guidance from theoretical and computational studies. <i>Advanced Materials</i> , <b>2014</b> , 26, 68-83	24	84
255	Use of a high electron-affinity molybdenum dithiolene complex to p-dope hole-transport layers. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 12530-1	16.4	81
254	Bis(dioxaborine) compounds with large two-photon cross sections, and their use in the photodeposition of silver. <i>Chemical Communications</i> , <b>2003</b> , 1490-1491	5.8	80
253	Understanding the Effects of Molecular Dopant on n-Type Organic Thermoelectric Properties. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900817	21.8	77
252	Interfacial charge-transfer doping of metal halide perovskites for high performance photovoltaics. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 3063-3073	35.4	77
251	Solution doping of organic semiconductors using air-stable n-dopants. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 083305	3.4	76
250	Photo-Patternable Hole-Transport Polymers for Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 1491-1496	9.6	76
249	Influence of dopant size and electron affinity on the electrical conductivity and thermoelectric properties of a series of conjugated polymers. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 16495-16505	13	75
248	Photo-crosslinkable polymers as hole-transport materials for organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 1703-1708		75
247	Synthesis and two-photon spectrum of a bis(porphyrin)-substituted squaraine. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 7510-1	16.4	74

246	ITO Interface Modifiers Can Improve VOC in Polymer Solar Cells and Suppress Surface Recombination. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 4038-4044	6.4	73
245	A Nonvolatile Organic Memory Device Using ITO Surfaces Modified by Ag-Nanodots. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 1112-1118	15.6	73
244	Bis(carbazolyl) derivatives of pyrene and tetrahydropyrene: synthesis, structures, optical properties, electrochemistry, and electroluminescence. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 1638	7.1	72
243	Thermal Management Enables Bright and Stable Perovskite Light-Emitting Diodes. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000752	24	71
242	Stabilization of the work function of indium tin oxide using organic surface modifiers in organic light-emitting diodes. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 163308	3.4	71
241	Rapid Synthesis of High Surface Area Imine-Linked 2D Covalent Organic Frameworks by Avoiding Pore Collapse During Isolation. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905776	24	71
240	Enhanced Charge-Carrier Injection and Collection Via Lamination of Doped Polymer Layers p-Doped with a Solution-Processible Molybdenum Complex. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 2197-2204	15.6	70
239	Mixing Behavior in Small Molecule:Fullerene Organic Photovoltaics. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 3062-3069	9.6	68
238	Polymethine dyes for all-optical switching applications: a quantum-chemical characterization of counter-ion and aggregation effects on the third-order nonlinear optical response. <i>Chemical Science</i> , <b>2012</b> , 3, 3103	9.4	67
237	Panchromatic Ternary Photovoltaic Cells Using a Nonfullerene Acceptor Synthesized Using C <sub>60</sub> Functionalization. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 309-313	9.6	65
236	Tailoring the work function of indium tin oxide electrodes in electrophosphorescent organic light-emitting diodes. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 084507	2.5	65
235	Chemically Controlled Reversible and Irreversible Extraction Barriers Via Stable Interface Modification of Zinc Oxide Electron Collection Layer in Polycarbazole-based Organic Solar Cells. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4671-4680	15.6	64
234	Polymers with Carbazole-Oxadiazole Side Chains as Ambipolar Hosts for Phosphorescent Light-Emitting Diodes. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 4002-4015	9.6	64
233	Efficient and Stable Perovskite Solar Cells Using Molybdenum Tris(dithiolene)s as p-Dopants for Spiro-OMeTAD. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 2044-2050	20.1	63
232	Two-Photon Absorption in Quadrupolar Bis(acceptor)-Terminated Chromophores with Electron-Rich Bis(heterocycle)vinylene Bridges. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 432-442	9.6	62
231	Stable solution-processed molecular n-channel organic field-effect transistors. <i>Advanced Materials</i> , <b>2012</b> , 24, 4445-50	24	61
230	Cross-Linkable Fullerene Derivatives for Solution-Processed n-i-p Perovskite Solar Cells. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 648-653	20.1	60
229	Crosslinking using rapid thermal processing for the fabrication of efficient solution-processed phosphorescent organic light-emitting diodes. <i>Advanced Materials</i> , <b>2013</b> , 25, 1739-44	24	60

228	A Molybdenum Dithiolene Complex as p-Dopant for Hole-Transport Materials: A Multitechnique Experimental and Theoretical Investigation. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 524-531	9.6	60
227	Ultrafast Long-Range Charge Separation in Nonfullerene Organic Solar Cells. <i>ACS Nano</i> , <b>2017</b> , 11, 12473-12481	12.4	59
226	Production of heavily n- and p-doped CVD graphene with solution-processed redox-active metal-organic species. <i>Materials Horizons</i> , <b>2014</b> , 1, 111-115	14.4	59
225	Impact of Alkyl-Functionalized BTC on Properties of Copper-Based Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 3709-3713	3.5	59
224	Norbornene-Based Copolymers with Iridium Complexes and Bis(carbazolyl)fluorene Groups in Their Side-Chains and Their Use in Light-Emitting Diodes. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 5602-5608	9.6	59
223	Controllable, Wide-Ranging n-Doping and p-Doping of Monolayer Group 6 Transition-Metal Disulfides and Diselenides. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802991	24	58
222	High electron mobility in nickel bis(dithiolene) complexes. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 2642		57
221	Steric Effects of the Initiator Substituent Position on the Externally Initiated Polymerization of 2-Bromo-5-iodo-3-hexylthiophene. <i>Macromolecules</i> , <b>2011</b> , 44, 512-520	5.5	56
220	Absorption Tails of Donor:C Blends Provide Insight into Thermally Activated Charge-Transfer Processes and Polaron Relaxation. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 1699-1704	16.4	55
219	A Study on Reducing Contact Resistance in Solution-Processed Organic Field-Effect Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 24744-52	9.5	55
218	Thermochemical Nanolithography of Multifunctional Nanotemplates for Assembling Nano-Objects. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 3696-3702	15.6	54
217	Pentacene organic field-effect transistors with doped electrode-semiconductor contacts. <i>Organic Electronics</i> , <b>2010</b> , 11, 860-863	3.5	54
216	Tunable Third-Harmonic Generation from Polaritons in the Ultrastrong Coupling Regime. <i>ACS Photonics</i> , <b>2018</b> , 5, 119-125	6.3	53
215	Effect of an auxiliary acceptor on D $\pi$ A sensitizers for highly efficient and stable dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 12865-12877	13	52
214	Orientation of phenylphosphonic acid self-assembled monolayers on a transparent conductive oxide: a combined NEXAFS, PM-IRRAS, and DFT study. <i>Langmuir</i> , <b>2013</b> , 29, 2166-74	4	52
213	Passivation of trap states in unpurified and purified C60 and the influence on organic field-effect transistor performance. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 253303	3.4	52
212	Polymethine materials with solid-state third-order optical susceptibilities suitable for all-optical signal-processing applications. <i>Materials Horizons</i> , <b>2014</b> , 1, 577-581	14.4	51
211	n-Doping of organic electronic materials using air-stable organometallics: a mechanistic study of reduction by dimeric sandwich compounds. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 14760-72	4.8	51

210	Dithienopyrrole-quinoxaline/pyridopyrazine donor-acceptor polymers: synthesis and electrochemical, optical, charge-transport, and photovoltaic properties. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 4971		51
209	Reduction of the Work Function of Gold by N-Heterocyclic Carbenes. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 3403-3411	9.6	50
208	Dopant controlled trap-filling and conductivity enhancement in an electron-transport polymer. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 163301	3.4	49
207	Effects of surface modification of indium tin oxide electrodes on the performance of molecular multilayer organic photovoltaic devices. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 5298		49
206	Highly efficient Organic Light-Emitting Diodes from thermally activated delayed fluorescence using a sulfone-barbazole host material. <i>Organic Electronics</i> , <b>2015</b> , 16, 109-112	3.5	48
205	Small molecule chemisorption on indium-tin oxide surfaces: enhancing probe molecule electron-transfer rates and the performance of organic light-emitting diodes. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 25191-202	3.4	48
204	A Step Toward Efficient Panchromatic Multi-Chromophoric Sensitizers for Dye Sensitized Solar Cells. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 6305-6313	9.6	47
203	Persistent Conjugated Backbone and Disordered Lamellar Packing Impart Polymers with Efficient n-Doping and High Conductivities. <i>Advanced Materials</i> , <b>2021</b> , 33, e2005946	24	46
202	Reduction of contact resistance by selective contact doping in fullerene n-channel organic field-effect transistors. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 153303	3.4	43
201	KO(t)Bu-Initiated Aryl C-H Iodination: A Powerful Tool for the Synthesis of High Electron Affinity Compounds. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 3946-9	16.4	42
200	Built-In Potential in Conjugated Polymer Diodes with Changing Anode Work Function: Interfacial States and Deviation from the Schottky-Mott Limit. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 1202-7	6.4	42
199	Growing Nanofruit Textures on Photo-Crosslinked SU-8 Surfaces through Layer-by-Layer Grafting of Hyperbranched Poly(Ethyleneimine). <i>Chemistry of Materials</i> , <b>2009</b> , 21, 476-483	9.6	42
198	Design and synthesis of two-dimensional covalent organic frameworks with four-arm cores: prediction of remarkable ambipolar charge-transport properties. <i>Materials Horizons</i> , <b>2019</b> , 6, 1868-1876	14.4	41
197	A Pyrenylpropyl Phosphonic Acid Surface Modifier for Mitigating the Thermal Resistance of Carbon Nanotube Contacts. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 465-471	15.6	41
196	Electronic and vibronic contributions to two-photon absorption in donor-acceptor-donor squaraine chromophores. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 11082-91	4.8	41
195	Controlled n-Type Doping of Carbon Nanotube Transistors by an Organorhodium Dimer. <i>Nano Letters</i> , <b>2016</b> , 16, 4329-34	11.5	40
194	High-Performance n-Channel Thin-Film Field-Effect Transistors Based on a Nanowire-Forming Polymer. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 2060-2071	15.6	40
193	Transition metal-catalyzed C-H activation as a route to structurally diverse di(arylthiophenyl)-diketopyrrolopyrroles. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 21392		40



192	Fluorenyl-substituted silole molecules: geometric, electronic, optical, and device properties. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 3157		40
191	Molecular Doping of the Hole-Transporting Layer for Efficient, Single-Step-Deposited Colloidal Quantum Dot Photovoltaics. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 1952-1959	20.1	39
190	Enhanced Thermoelectric Power Factor of Tensile Drawn Poly(3-hexylthiophene). <i>ACS Macro Letters</i> , <b>2019</b> , 8, 70-76	6.6	39
189	Impact of Nonfullerene Molecular Architecture on Charge Generation, Transport, and Morphology in PTB7-Th-Based Organic Solar Cells. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1802702	15.6	37
188	Investigation of p-dopant diffusion in polymer films and bulk heterojunctions: Stable spatially-confined doping for all-solution processed solar cells. <i>Organic Electronics</i> , <b>2015</b> , 23, 151-157	3.5	36
187	Surface modified fullerene electron transport layers for stable and reproducible flexible perovskite solar cells. <i>Nano Energy</i> , <b>2018</b> , 49, 324-332	17.1	36
186	Structures of (4-Y-C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub> NH <sub>3</sub> ) <sub>2</sub> PbI <sub>4</sub> {Y = H, F, Cl, Br, I}: Tuning of Hybrid Organic Inorganic Perovskite Structures from Ruddlesden-Popper to Dion-Jacobson Limits. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 6145-6153	9.6	36
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