

# Seth R Marder

## List of Publications by Year in Descending Order

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

317  
papers

27,177  
citations

73  
h-index

158  
g-index

342  
ext. papers

29,942  
ext. citations

11.1  
avg, IF

7.03  
L-index

#	Paper	IF	Citations
3 <sup>17</sup>	Hybrid Organic Lead Iodides: Role of Organic Cation Structure in Obtaining 1D Chains of Face-Sharing Octahedra vs 2D Perovskites. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 935-946	9.6	2
3 <sup>16</sup>	A Semiconducting Two-dimensional Polymer as an Organic Electrochemical Transistor Active Layer.. <i>Advanced Materials</i> , <b>2022</b> , e2110703	24	4
3 <sup>15</sup>	Controlled n-Doping of Naphthalene Diimide-Based Two-Dimensional Polymers. <i>Advanced Materials</i> , <b>2021</b> , e2101932	24	5
3 <sup>14</sup>	Reactivity of an air-stable dihydrobenzimidazole n-dopant with organic semiconductor molecules. <i>CheM</i> , <b>2021</b> , 7, 1050-1065	16.2	9
3 <sup>13</sup>	Electron spin resonance resolves intermediate triplet states in delayed fluorescence. <i>Nature Communications</i> , <b>2021</b> , 12, 4532	17.4	9
3 <sup>12</sup>	Synthetic Routes for Heteroatom-Containing Alkylated/Arylated Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 2960-2964	3.6	5
3 <sup>11</sup>	A naphthalene diimide side-chain polymer as an electron-extraction layer for stable perovskite solar cells. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 450-457	7.8	4
3 <sup>10</sup>	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
3 <sup>09</sup>	The Interlayer Method: A Universal Tool for Energy Level Alignment Tuning at Inorganic/Organic Semiconductor Heterojunctions. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2010174	15.6	11
3 <sup>08</sup>	Synthetic Routes for Heteroatom-Containing Alkylated/Arylated Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 2924-2928	16.4	9
3 <sup>07</sup>	Synthesis, structures, and reactivity of isomers of [RuCp*(1,4-(MeN)CH)]. <i>Dalton Transactions</i> , <b>2021</b> , 50, 13020-13030	4.3	0
3 <sup>06</sup>	A polymeric bis(di-p-anisylamino)fluorene hole-transport material for stable n-i-p perovskite solar cells. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 15017-15021	3.6	1
3 <sup>05</sup>	Understanding how Lewis acids dope organic semiconductors: a "complex" story. <i>Chemical Science</i> , <b>2021</b> , 12, 7012-7022	9.4	11
3 <sup>04</sup>	Disentangling Bulk and Interface Phenomena in a Molecularly Doped Polymer Semiconductor. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2002039	8.1	1
3 <sup>03</sup>	High-Efficiency Ion-Exchange Doping of Conducting Polymers. <i>Advanced Materials</i> , <b>2021</b> , e2102988	24	16
3 <sup>02</sup>	Nanosecond-Pulsed Perovskite Light-Emitting Diodes at High Current Density. <i>Advanced Materials</i> , <b>2021</b> , 33, e2104867	24	6
3 <sup>01</sup>	Benzocyclobutene polymer as an additive for a benzocyclobutene-fullerene: application in stable p-i-n perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 9347-9353	13	2

300	Nonlinear photocarrier dynamics and the role of shallow traps in mixed-halide mixed-cation hybrid perovskites. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 8204-8212	7.1	3
299	Highly air-stable, n-doped conjugated polymers achieved by dimeric organometallic dopants. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 4105-4111	7.1	3
298	A Naphthalene Diimide Covalent Organic Framework: Comparison of Cathode Performance in Lithium-Ion Batteries with Amorphous Cross-linked and Linear Analogues, and Its Use in Aqueous Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 350-356	6.1	10
297	Cross-Linking of Doped Organic Semiconductor Interlayers for Organic Solar Cells: Potential and Challenges.. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 14458-14466	6.1	2
296	Electronically Coupled 2D Polymer/MoS Heterostructures. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 21131-21139	16.4	8
295	Highly Conjugated, Fused-Ring, Quadrupolar Organic Chromophores with Large Two-Photon Absorption Cross-Sections in the Near-Infrared. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 4367-4378	2.8	12
294	Single-Step Formation of a Low Work Function Cathode Interlayer and n-type Bulk Doping from Semiconducting Polymer/Polyethylenimine Blend Solution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 28801-28807	9.5	7
293	Structural Diversity in 2,2'-[Naphthalene-1,8:4,5-bis(dicarboximide)-1'-diyl]-bis(ethylammonium) Iodoperrhenates. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 8070-8080	5.1	9
292	Potential-Modulated Total Internal Reflection Fluorescence for Measurement of the Electron Transfer Kinetics of Submonolayers on Optically Transparent Electrodes. <i>Langmuir</i> , <b>2020</b> , 36, 6728-6735 <sup>4</sup>		1
291	Thermal Management Enables Bright and Stable Perovskite Light-Emitting Diodes. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000752	24	71
290	Exciton-band tuning induced by the width of the cation in 2D lead iodide perovskite hybrids. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 2023-2028	7.8	4
289	Quantitative Analysis of Doping-Induced Polarons and Charge-Transfer Complexes of Poly(3-hexylthiophene) in Solution. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 7694-7708	3.4	22
288	n-Doping of a Low-Electron-Affinity Polymer Used as an Electron-Transport Layer in Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000328	15.6	7
287	Ordered Donor-Acceptor Complex Formation and Electron Transfer in Co-deposited Films of Structurally Dissimilar Molecules. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 11023-11031	3.8	3
286	Optically Pumped Lasing from Hybrid Perovskite Light-Emitting Diodes. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1901297	8.1	27
285	Surface Functionalization of Black Phosphorus with a Highly Reducing Organoruthenium Complex: Interface Properties and Enhanced Photoresponsivity of Photodetectors. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 6576-6582	4.8	3
284	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
283	A structural study of p-type AD oligothiophenes: effects of regioregular alkyl sidechains on annealing processes and photovoltaic performances. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 567-580	7.1	3

282	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
281	Naphthalenediimide Cations Inhibit 2D Perovskite Formation and Facilitate Subpicosecond Electron Transfer. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 24379-24390	3.8	9
280	New Mechanistic Insights into the Formation of Imine-Linked Two-Dimensional Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 18637-18644	16.4	30
279	UV-to-IR Absorption of Molecularly p-Doped Polythiophenes with Alkyl and Oligoether Side Chains: Experiment and Interpretation Based on Density Functional Theory. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 11280-11293	3.4	24
278	High Thermoelectric Power Factor of Poly(3-hexylthiophene) through In-Plane Alignment and Doping with a Molybdenum Dithiolene Complex. <i>Macromolecules</i> , <b>2020</b> , 53, 6314-6321	5.5	22
277	Electron transport in a sequentially doped naphthalene diimide polymer. <i>Materials Advances</i> , <b>2020</b> , 1, 1829-1834	3.3	9
276	Thermally Activated Delayed Fluorescence Sensitization for Highly Efficient Blue Fluorescent Emitters. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2005898	15.6	11
275	New Design Strategy Toward NIR I Xanthene-Based Dyes. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 12108-12116	11.6	6
274	A photo-crosslinkable bis-triarylamine side-chain polymer as a hole-transport material for stable perovskite solar cells. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 190-198	5.8	15
273	Electrode Work Function Reduction by Polyethylenimine Interlayers: Choice of Solvent and Residual Solvent Removal for Superior Functionality. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000291	4.6	3
272	Cationic Polyelectrolyte for Anionic Cyanines: An Efficient Way To Translate Molecular Properties into Material Properties. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 17331-17336	16.4	3
271	Degenerate electron-doping in two-dimensional tungsten diselenide with a dimeric organometallic reductant. <i>Materials Today</i> , <b>2019</b> , 30, 26-33	21.8	8
270	Charge Recombination Dynamics in Organic Photovoltaic Systems with Enhanced Dielectric Constant. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1901269	15.6	22
269	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
268	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
267	Conductive, Solution-Processed Dioxythiophene Copolymers for Thermoelectric and Transparent Electrode Applications. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900395	21.8	27
266	Bis(tercarbazole) pyrene and tetrahydropyrene derivatives: photophysical and electrochemical properties, theoretical modeling, and OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 5009-5018	7.1	10
265	Host-Free Yellow-Green Organic Light-Emitting Diodes with External Quantum Efficiency over 20% Based on a Compound Exhibiting Thermally Activated Delayed Fluorescence. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 12693-12698	9.5	21

264	(4NPEA)PbI <sub>3</sub> (4NPEA = 4-Nitrophenylethylammonium): Structural, NMR, and Optical Properties of a 3D Corrugated 2D Hybrid Perovskite. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 4521-4525	16.4	29
263	Molecular-Reductant-Induced Control of a Graphene/Organic Interface for Electron Injection. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 6624-6632	9.6	8
262	Phosphonic Acid Modification of the Electron Selective Contact: Interfacial Effects in Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 2402-2408	6.1	19
261	Thermoelectric Performance of n-Type Poly(Ni-tetrathiooxalate) as a Counterpart to Poly(Ni-ethenetetrathiolate): NiTTO versus NiETT. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1900066	6.4	11
260	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
259	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
258	Charge-Transport Properties of F6TNAP-Based Charge-Transfer Cocrystals. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1904858	15.6	23
257	Breaking Down Resonance: Nonlinear Transport and the Breakdown of Coherent Tunneling Models in Single Molecule Junctions. <i>Nano Letters</i> , <b>2019</b> , 19, 2555-2561	11.5	25
256	Organometallic hydride-transfer agents as reductants for organic semiconductor molecules. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 489, 67-77	2.7	3
255	Chemical Stabilities of the Lowest Triplet State in Aryl Sulfones and Aryl Phosphine Oxides Relevant to OLED Applications. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 1507-1519	9.6	19
254	Predicting the yield of ion pair formation in molecular electrical doping: redox-potentials versus ionization energy/electron affinity. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 13839-13848	7.1	11
253	Acceptor Gradient Polymer Donors for Non-Fullerene Organic Solar Cells. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 9729-9741	9.6	10
252	Ruthenium pentamethylcyclopentadienyl mesitylene dimer: a sublimable n-dopant and electron buffer layer for efficient n-i-p perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 25796-25801	13	4
251	Enhanced Thermoelectric Power Factor of Tensile Drawn Poly(3-hexylthiophene). <i>ACS Macro Letters</i> , <b>2019</b> , 8, 70-76	6.6	39
250	Double doping of conjugated polymers with monomer molecular dopants. <i>Nature Materials</i> , <b>2019</b> , 18, 149-155	27	146
249	Positional Effects from $\pi$ -Bonded Platinum(II) on Intersystem Crossing Rates in Perylene $\pi$ -diimide Complexes: Synthesis, Structures, and Photophysical Properties. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 13848-13862	3.8	13
248	The role of fluorine-substitution on the $\pi$ -bridge in constructing effective thermally activated delayed fluorescence molecules. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 5536-5541	7.1	24
247	Direct Effect of Dielectric Surface Energy on Carrier Transport in Organic Field-Effect Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 15943-15951	9.5	24

246	Design of Near-Infrared-Absorbing Unsymmetrical Polymethine Dyes with Large Quadratic Hyperpolarizabilities. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 3410-3418	9.6	26
245	A blue thermally activated delayed fluorescence emitter developed by appending a fluorene moiety to a carbazole donor with meta-linkage for high-efficiency OLEDs. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 917-922	7.8	31
244	Non-fullerene acceptors for organic solar cells. <i>Nature Reviews Materials</i> , <b>2018</b> , 3,	73.3	1634
243	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
242	Absence of Mixed Phase in Organic Photovoltaic Active Layers Facilitates Use of Green Solvent Processing. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 11136-11144	3.8	10
241	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
240	Pronounced Side Chain Effects in Triple Bond-Conjugated Polymers Containing Naphthalene Diimides for n-Channel Organic Field-Effect Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 12921-12929	9.5	15
239	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
238	Simultaneous Enhancement in Electrical Conductivity and Thermopower of n-Type NiETT/PVDF Composite Films by Annealing. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1803275	15.6	26
237	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
236	Recent Developments in C-H Activation for Materials Science in the Center for Selective C-H Activation. <i>Molecules</i> , <b>2018</b> , 23,	4.8	31
235	High performance blue-emitting organic light-emitting diodes from thermally activated delayed fluorescence: A guest/host ratio study. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 055501	2.5	21
234	Modification of the fluorinated tin oxide/electron-transporting material interface by a strong reductant and its effect on perovskite solar cell efficiency. <i>Molecular Systems Design and Engineering</i> , <b>2018</b> , 3, 741-747	4.6	7
233	Dopant Diffusion in Sequentially Doped Poly(3-hexylthiophene) Studied by Infrared and Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 14518-14527	3.8	22
232	Effects of meso-M(PPh <sub>3</sub> ) <sub>2</sub> Cl (M = Pd, Ni) substituents on the linear and third-order nonlinear optical properties of chalcogenopyrylium-terminated heptamethines in solution and solid states. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 3613-3620	7.1	11
231	Tunable Third-Harmonic Generation from Polaritons in the Ultrastrong Coupling Regime. <i>ACS Photonics</i> , <b>2018</b> , 5, 119-125	6.3	53
230	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
229	Control of Singlet Emission Energy in a Diphenyloxadiazole Containing Fluorophore Leading To Thermally Activated Delayed Fluorescence. <i>ACS Omega</i> , <b>2018</b> , 3, 14918-14923	3.9	4

228	Origin of the Bandspacing Change upon Doping of Semiconducting Polymers. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 27983-27990	3.8	16
227	Randomly Distributed Conjugated Polymer Repeat Units for High-Efficiency Photovoltaic Materials with Enhanced Solubility and Processability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 44583-44588	9.5	13
226	Donor Conjugated Polymers with Polar Side Chain Groups: The Role of Dielectric Constant and Energetic Disorder on Photovoltaic Performance. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1803418	15.6	26
225	Linear and Third-Order Nonlinear Optical Properties of Chalcogenopyrylium-Terminated Heptamethine Dyes with Rigid, Bulky Substituents. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1804073	15.6	11
224	Near Length-Independent Conductance in Polymethine Molecular Wires. <i>Nano Letters</i> , <b>2018</b> , 18, 6387-6391	11.5	30
223	Hole Transport in Low-Donor-Content Organic Solar Cells. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 5496-5501	6.4	28
222	Effect of the Number and Substitution Pattern of Carbazole Donors on the Singlet and Triplet State Energies in a Series of Carbazole-Oxadiazole Derivatives Exhibiting Thermally Activated Delayed Fluorescence. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 6389-6399	9.6	14
221	Systematic Power Factor Enhancement in n-Type NiETT/PVDF Composite Films. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1801620	15.6	23
220	The Direct Arylation Polymerization (DAP) of Well-Defined Alternating Copolymers Based On 5,6-Dicyano[2,1,3]benzothiadiazole (DCBT). <i>Asian Journal of Organic Chemistry</i> , <b>2018</b> , 7, 1419-1425	3	7
219	Nonlinear optical components for all-optical probabilistic graphical model. <i>Nature Communications</i> , <b>2018</b> , 9, 2128	17.4	5
218	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
217	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
216	Mixing Behavior in Small Molecule:Fullerene Organic Photovoltaics. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 3062-3069	9.6	68
215	Electron Transport and Nanomorphology in Solution-Processed Polymeric Semiconductor n-Doped with an Air-Stable Organometallic Dimer. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1600546	6.4	13
214	Comparison of the Optical and Electrochemical Properties of Bi(perylene diimide)s Linked through Ortho and Bay Positions. <i>ACS Omega</i> , <b>2017</b> , 2, 377-385	3.9	33
213	Crystal structure of 5,6-bis(9H-carbazol-9-yl)benzo[c][1,2,5]thiadiazole: distortion from a hypothetical higher-symmetry structure. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2017</b> , 73, 319-324	0.8	0
212	Intrinsic non-radiative voltage losses in fullerene-based organic solar cells. <i>Nature Energy</i> , <b>2017</b> , 2,	62.3	362
211	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

210	Solution-based electrical doping of semiconducting polymer films over a limited depth. <i>Nature Materials</i> , <b>2017</b> , 16, 474-480	27	95
209	Hybrid Doping of Few-Layer Graphene via a Combination of Intercalation and Surface Doping. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 20020-20028	9.5	9
208	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
207	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
206	Facile Doping and Work-Function Modification of Few-Layer Graphene Using Molecular Oxidants and Reductants. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1602004	15.6	22
205	Synthesis and C-H Functionalization Chemistry of Thiazole-Semicoronenediimides (TsCDIs) and -Coronenediimides (TCDIs). <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 10139-10148	4.2	6
204	Intermediate-Sized Conjugated Donor Molecules for Organic Solar Cells: Comparison of Benzodithiophene and Benzobisthiazole-Based Cores. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 7880-7887	9.6	14
203	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
202	Doping-induced carrier profiles in organic semiconductors determined from capacitive extraction-current transients. <i>Scientific Reports</i> , <b>2017</b> , 7, 5397	4.9	11
201	Multicarbazolyl substituted TTM radicals: red-shift of fluorescence emission with enhanced luminescence efficiency. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 2132-2135	7.8	28
200	Solution-Processed Doping of Trilayer WSe <sub>2</sub> with Redox-Active Molecules. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 7296-7304	9.6	22
199	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
198	Molecular weight tuning of low bandgap polymers by continuous flow chemistry: increasing the applicability of PffBT4T for organic photovoltaics. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 18166-18175	13	13
197	Testing the Equivalence between Spatial Averaging and Temporal Averaging in Highly Dilute Solutions. <i>Langmuir</i> , <b>2017</b> , 33, 14539-14547	4	3
196	Ultrafast Long-Range Charge Separation in Nonfullerene Organic Solar Cells. <i>ACS Nano</i> , <b>2017</b> , 11, 12473-12481	12.4	159
195	High Conductivity in a Nonplanar n-Doped Ambipolar Semiconducting Polymer. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 9742-9750	9.6	35
194	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
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