

Guillermo C Bazan

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.

359
papers

32,458
citations

88
h-index

172
g-index

383
ext. papers

35,571
ext. citations

14
avg, IF

7.5
L-index

#	Paper	IF	Citations
359	Role of Electron-Deficient Imidazoles in Ion Transport and Conductivity in Solid-State Polymer Electrolytes. <i>Macromolecules</i> , 2022 , 55, 971-977	5.5	1
358	Conjugated Polyelectrolyte/Bacteria Living Composites in Carbon Paper for Biocurrent Generation.. <i>Macromolecular Rapid Communications</i> , 2022 , e2100840	4.8	0
357	Amide Moieties Modulate the Antimicrobial Activities of Conjugated Oligoelectrolytes against Gram-negative Bacteria.. <i>ChemistryOpen</i> , 2022 , 11, e202100260	2.3	2
356	Efficient Fabrication of Organic Electrochemical Transistors via Wet Chemical Processing.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	2
355	Conjugated Oligoelectrolytes for Long-term Tumor Tracking with Incremental NIR-II Emission.. <i>Advanced Materials</i> , 2022 , e2201989	24	3
354	Ionic Tunability of Conjugated Polyelectrolyte Solutions. <i>Macromolecules</i> , 2022 , 55, 3437-3448	5.5	2
353	Structurally Resemblant Dopants Enhance Organic Room Temperature Phosphorescence.. <i>Advanced Materials</i> , 2022 , e2201569	24	6
352	Predicting Antimicrobial Activity of Conjugated Oligoelectrolyte Molecules via Machine Learning. <i>Journal of the American Chemical Society</i> , 2021 , 143, 18917-18931	16.4	2
351	Conjugated Polyelectrolytes: Underexplored Materials for Pseudocapacitive Energy Storage. <i>Advanced Materials</i> , 2021 , e2104206	24	6
350	Current Progress of Interfacing Organic Semiconducting Materials with Bacteria. <i>Chemical Reviews</i> , 2021 ,	68.1	7
349	Operando Direct Observation of Filament Formation in Resistive Switching Devices Enabled by a Topological Transformation Molecule. <i>Nano Letters</i> , 2021 , 21, 9262-9269	11.5	1
348	Data driven discovery of conjugated polyelectrolytes for optoelectronic and photocatalytic applications. <i>Npj Computational Materials</i> , 2021 , 7,	10.9	3
347	The impact of bacteria exposure on the plasmonic response of silver nanostructured surfaces. <i>Chemical Physics Reviews</i> , 2021 , 2, 021401	4.4	2
346	A Living Biotic/Abiotic Composite that can Switch Function Between Current Generation and Electrochemical Energy Storage. <i>Advanced Functional Materials</i> , 2021 , 31, 2007351	15.6	8
345	Device Performance of Emerging Photovoltaic Materials (Version 1). <i>Advanced Energy Materials</i> , 2021 , 11, 2002774	21.8	56
344	Liquid-Liquid Phase Separation of Tau Driven by Hydrophobic Interaction Facilitates Fibrillization of Tau. <i>Journal of Molecular Biology</i> , 2021 , 433, 166731	6.5	29
343	A Simple Approach for Unraveling Optoelectronic Processes in Organic Solar Cells under Short-Circuit Conditions. <i>Advanced Energy Materials</i> , 2021 , 11, 2002760	21.8	14

342	Temperature and Light Modulated Open-Circuit Voltage in Nonfullerene Organic Solar Cells with Different Effective Bandgaps. <i>Advanced Energy Materials</i> , 2021 , 11, 2003091	21.8	8
341	Fabrication of a lead ion selective membrane based on a polycarbazole Sn(IV) arsenotungstate nanocomposite and its ion exchange membrane (IEM) kinetic studies.. <i>RSC Advances</i> , 2021 , 11, 4210-4220	2.7	3
340	Effect of Palladium-Tetrakis(Triphenylphosphine) Catalyst Traces on Charge Recombination and Extraction in Non-Fullerene-based Organic Solar Cells. <i>Advanced Functional Materials</i> , 2021 , 31, 2009363	15.6	10
339	An AIEgen as an Intrinsic Antibacterial Agent for Light-Up Detection and Inactivation of Intracellular Gram-Positive Bacteria. <i>Advanced Healthcare Materials</i> , 2021 , e2100885	10.1	4
338	The role of charge recombination to triplet excitons in organic solar cells. <i>Nature</i> , 2021 , 597, 666-671	50.4	48
337	Understanding and Countering Illumination-Sensitive Dark Current: Toward Organic Photodetectors with Reliable High Detectivity. <i>ACS Nano</i> , 2021 , 15, 1753-1763	16.7	16
336	Robust Unipolar Electron Conduction Using an Ambipolar Polymer Semiconductor with Solution-Processable Blends. <i>Chemistry of Materials</i> , 2020 , 32, 6831-6837	9.6	2
335	Tailoring Regioisomeric Structures of π -Conjugated Polymers Containing Monofluorinated π -Bridges for Highly Efficient Polymer Solar Cells. <i>ACS Energy Letters</i> , 2020 , 5, 2087-2094	20.1	63
334	Unifying Charge Generation, Recombination, and Extraction in Low-Offset Non-Fullerene Acceptor Organic Solar Cells. <i>Advanced Energy Materials</i> , 2020 , 10, 2001203	21.8	46
333	What is the role of planarity and torsional freedom for aggregation in a π -conjugated donor-acceptor model oligomer?. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 4944-4955	7.1	3
332	Bandgap Tailored Nonfullerene Acceptors for Low-Energy-Loss Near-Infrared Organic Photovoltaics 2020 , 2, 395-402		23
331	Performance enhancement of conjugated polymer-small molecule-non fullerene ternary organic solar cells by tuning recombination kinetics and molecular ordering. <i>Solar Energy</i> , 2020 , 201, 499-507	6.8	15
330	The importance of sulfonate to the self-doping mechanism of the water-soluble conjugated polyelectrolyte PCPDTBT-SO ₃ K. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 3556-3566	7.8	16
329	Adapts to Antimicrobial Conjugated Oligoelectrolytes by Lipid Rearrangement and Differential Expression of Membrane Stress Response Genes. <i>Frontiers in Microbiology</i> , 2020 , 11, 155	5.7	2
328	Photoswitchable Conjugated Oligoelectrolytes for a Light-Induced Change of Membrane Morphology. <i>Angewandte Chemie</i> , 2020 , 132, 20513-20517	3.6	
327	Photoswitchable Conjugated Oligoelectrolytes for a Light-Induced Change of Membrane Morphology. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20333-20337	16.4	1
326	Design of narrow bandgap non-fullerene acceptors for photovoltaic applications and investigation of non-geminate recombination dynamics. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 15175-15182	7.1	19
325	Organic Electrochemical Transistors Based on the Conjugated Polyelectrolyte PCPDTBT-SO ₃ K (CPE-K). <i>Advanced Materials</i> , 2020 , 32, e1908120	24	27

324	A Glycosylated Cationic Block Poly(β-peptide) Reverses Intrinsic Antibiotic Resistance in All ESKAPE Gram-Negative Bacteria. <i>Angewandte Chemie</i> , 2020 , 132, 6886-6893	3.6	3
323	Living Bioelectrochemical Composites. <i>Advanced Materials</i> , 2020 , 32, e1908178	24	18
322	Semiconducting polymer contributes favorably to the Seebeck coefficient in multi-component, high-performance n-type thermoelectric nanocomposites. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 9797-9805 ¹¹	13	11
321	Experimental and theoretical study of energy transfer in a chromophore triad: What makes modeling dynamics successful?. <i>Journal of Chemical Physics</i> , 2020 , 153, 244114	3.9	5
320	A High-Performance Solution-Processed Organic Photodetector for Near-Infrared Sensing. <i>Advanced Materials</i> , 2020 , 32, e1906027	24	138
319	Excited State Dynamics of a Self-Doped Conjugated Polyelectrolyte. <i>Advanced Functional Materials</i> , 2020 , 30, 1906148	15.6	12
318	Large-gain low-voltage and wideband organic photodetectors via unbalanced charge transport. <i>Materials Horizons</i> , 2020 , 7, 3234-3241	14.4	17
317	Gram Typing: Gram-Typing Using Conjugated Oligoelectrolytes (Adv. Funct. Mater. 42/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070281	15.6	
316	Molecular design of antimicrobial conjugated oligoelectrolytes with enhanced selectivity toward bacterial cells. <i>Chemical Science</i> , 2020 , 11, 8138-8144	9.4	7
315	Visualization of Charge Transfer from Bacteria to a Self-Doped Conjugated Polymer Electrode Surface Using Conductive Atomic Force Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40778-40785	9.5	3
314	Role of Torsional Flexibility in the Film Formation Process in Two EConjugated Model Oligomers. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 9379-9386	6.4	3
313	Insight into the structures and dynamics of organic semiconductors through solid-state NMR spectroscopy. <i>Nature Reviews Materials</i> , 2020 , 5, 910-930	73.3	36
312	Gram-Typing Using Conjugated Oligoelectrolytes. <i>Advanced Functional Materials</i> , 2020 , 30, 2004068	15.6	5
311	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020 , 14, 28-117	16.7	1000
310	A Glycosylated Cationic Block Poly(β-peptide) Reverses Intrinsic Antibiotic Resistance in All ESKAPE Gram-Negative Bacteria. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6819-6826	16.4	35
309	Ambient Processable and Stable All-Polymer Organic Solar Cells. <i>Advanced Functional Materials</i> , 2019 , 29, 1806747	15.6	77
308	Enantiomeric glycosylated cationic block co-beta-peptides eradicate Staphylococcus aureus biofilms and antibiotic-tolerant persisters. <i>Nature Communications</i> , 2019 , 10, 4792	17.4	53
307	Tuning Geobacter sulfurreducens biofilm with conjugated polyelectrolyte for increased performance in bioelectrochemical system. <i>Biosensors and Bioelectronics</i> , 2019 , 144, 111630	11.8	10

306	Towards understanding the doping mechanism of organic semiconductors by Lewis acids. <i>Nature Materials</i> , 2019 , 18, 1327-1334	27	85
305	Fullerene derivative induced morphology of bulk heterojunction blends: PIPCP:PCBM.. <i>RSC Advances</i> , 2019 , 9, 4106-4112	3.7	7
304	Molecular Design of a New Diboronic Acid for the Electrohydrodynamic Monitoring of Glucose. <i>Angewandte Chemie</i> , 2019 , 131, 10722-10725	3.6	1
303	Solution-Processed Semitransparent Organic Photovoltaics: From Molecular Design to Device Performance. <i>Advanced Materials</i> , 2019 , 31, e1900904	24	117
302	Molecular Design of a New Diboronic Acid for the Electrohydrodynamic Monitoring of Glucose. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10612-10615	16.4	10
301	Atomic-Level Insight into the Postsynthesis Band Gap Engineering of a Lewis Base Polymer Using Lewis Acid Tris(pentafluorophenyl)borane. <i>Chemistry of Materials</i> , 2019 , 31, 6715-6725	9.6	23
300	Side-Chain Engineering of Nonfullerene Acceptors for Near-Infrared Organic Photodetectors and Photovoltaics. <i>ACS Energy Letters</i> , 2019 , 4, 1401-1409	20.1	106
299	Conjugated Oligoelectrolytes: A Chain-Elongated Oligophenylenevinylene Electrolyte Increases Microbial Membrane Stability (Adv. Mater. 18/2019). <i>Advanced Materials</i> , 2019 , 31, 1970133	24	
298	A Chain-Elongated Oligophenylenevinylene Electrolyte Increases Microbial Membrane Stability. <i>Advanced Materials</i> , 2019 , 31, e1808021	24	17
297	Unifying Energetic Disorder from Charge Transport and Band Bending in Organic Semiconductors. <i>Advanced Functional Materials</i> , 2019 , 29, 1901109	15.6	51
296	High-k Fluoropolymer Gate Dielectric in Electrically Stable Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 15821-15828	9.5	19
295	Direct Observation of the Relationship between Molecular Topology and Bulk Morphology for a Conjugated Material. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5078-5082	16.4	30
294	Recent Advances in n-Type Thermoelectric Nanocomposites. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800943	6.4	32
293	Precisely Defined Conjugated Oligoelectrolytes for Biosensing and Therapeutics. <i>Advanced Materials</i> , 2019 , 31, e1806701	24	36
292	Tuning Optical Properties of Conjugated Molecules by Lewis Acids: Insights from Electronic Structure Modeling. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 4632-4638	6.4	8
291	Quantifying the Nongeminate Recombination Dynamics in Nonfullerene Bulk Heterojunction Organic Solar Cells. <i>Advanced Energy Materials</i> , 2019 , 9, 1901438	21.8	71
290	Hall of Fame Article: Solution-Processed Semitransparent Organic Photovoltaics: From Molecular Design to Device Performance (Adv. Mater. 30/2019). <i>Advanced Materials</i> , 2019 , 31, 1970219	24	18
289	Conducting Polymers-Thylakoid Hybrid Materials for Water Oxidation and Photoelectric Conversion. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800789	6.4	24

288	Tuning the Potential of Electron Extraction from Microbes with Ferrocene-Containing Conjugated Oligoelectrolytes. <i>Advanced Biology</i> , 2019 , 3, e1800303	3.5	4
287	Electrical Double-Slope Nonideality in Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2018 , 28, 1707221	15.6	45
286	Doping Polymer Semiconductors by Organic Salts: Toward High-Performance Solution-Processed Organic Field-Effect Transistors. <i>ACS Nano</i> , 2018 , 12, 3938-3946	16.7	40
285	Real-time observation of conformational switching in single conjugated polymer chains. <i>Science Advances</i> , 2018 , 4, eaao5786	14.3	14
284	Mixed Conductive Soft Solids by Electrostatically Driven Network Formation of a Conjugated Polyelectrolyte. <i>Chemistry of Materials</i> , 2018 , 30, 1417-1426	9.6	26
283	Cross-Linking of Thiolated Paclitaxel-Oligo(p-phenylene vinylene) Conjugates Aggregates inside Tumor Cells Leads to "Chemical Locks" That Increase Drug Efficacy. <i>Advanced Materials</i> , 2018 , 30, 1704888	24	42
282	Hole transport layer based on conjugated polyelectrolytes for polymer solar cells. <i>Journal of Colloid and Interface Science</i> , 2018 , 518, 21-26	9.3	10
281	Order enables efficient electron-hole separation at an organic heterojunction with a small energy loss. <i>Nature Communications</i> , 2018 , 9, 277	17.4	87
280	Improved Tandem All-Polymer Solar Cells Performance by Using Spectrally Matched Subcells. <i>Advanced Energy Materials</i> , 2018 , 8, 1703291	21.8	49
279	Absence of Mixed Phase in Organic Photovoltaic Active Layers Facilitates Use of Green Solvent Processing. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 11136-11144	3.8	10
278	Informed Molecular Design of Conjugated Oligoelectrolytes To Increase Cell Affinity and Antimicrobial Activity. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8069-8072	16.4	21
277	Toward High Efficiency Polymer Solar Cells: Rearranging the Backbone Units into a Readily Accessible Random Tetrapolymer. <i>Advanced Energy Materials</i> , 2018 , 8, 1701668	21.8	18
276	Charge Generation and Recombination in an Organic Solar Cell with Low Energetic Offsets. <i>Advanced Energy Materials</i> , 2018 , 8, 1701073	21.8	49
275	Measuring the competition between bimolecular charge recombination and charge transport in organic solar cells under operating conditions. <i>Energy and Environmental Science</i> , 2018 , 11, 3019-3032	35.4	45
274	Ultraflexible Near-Infrared Organic Photodetectors for Conformal Photoplethysmogram Sensors. <i>Advanced Materials</i> , 2018 , 30, e1802359	24	111
273	Flexible Thermoelectric Generators with Ultrahigh Output Power Enabled by Magnetic Field-Aligned Metallic Nanowires. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800200	6.4	35
272	Design of Nonfullerene Acceptors with Near-Infrared Light Absorption Capabilities. <i>Advanced Energy Materials</i> , 2018 , 8, 1801209	21.8	79
271	Membrane adaptation limitations in underlie sensitivity and the inability to develop significant resistance to conjugated oligoelectrolytes.. <i>RSC Advances</i> , 2018 , 8, 10284-10293	3.7	10

270	Conjugated Oligoelectrolytes: Materials for Acceleration of Whole Cell Biocatalysis. <i>Chemistry of Materials</i> , 2018 , 30, 5836-5840	9.6	6
269	Achieving high permeability and enhanced selectivity for Angstrom-scale separations using artificial water channel membranes. <i>Nature Communications</i> , 2018 , 9, 2294	17.4	60
268	Solvent Additives: Key Morphology-Directing Agents for Solution-Processed Organic Solar Cells. <i>Advanced Materials</i> , 2018 , 30, e1707114	24	228
267	Narrow Band Gap Conjugated Polyelectrolytes. <i>Accounts of Chemical Research</i> , 2018 , 51, 202-211	24.3	36
266	Improving extraction and post-purification concentration of membrane proteins. <i>Analyst, The</i> , 2018 , 143, 1378-1386	5	12
265	Single Crystal Microwires of p-DTS(FBTTh ₂) ₂ and Their Use in the Fabrication of Field-Effect Transistors and Photodetectors. <i>Advanced Functional Materials</i> , 2018 , 28, 1702073	15.6	16
264	Impact of rotamer diversity on the self-assembly of nearly isostructural molecular semiconductors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 383-394	13	16
263	Determining the Dielectric Constants of Organic Photovoltaic Materials Using Impedance Spectroscopy. <i>Advanced Functional Materials</i> , 2018 , 28, 1801542	15.6	52
262	Interactions of a paracyclophane-based conjugated oligoelectrolyte with biological membranes.. <i>RSC Advances</i> , 2018 , 8, 39849-39853	3.7	6
261	Solution-Processed Ion-Free Organic Ratchets with Asymmetric Contacts. <i>Advanced Materials</i> , 2018 , 30, e1804794	24	8
260	Effects of Side Chain Branch Point on Self Assembly, Structure, and Electronic Properties of High Mobility Semiconducting Polymers. <i>Macromolecules</i> , 2018 , 51, 8597-8604	5.5	26
259	Elucidating Aggregation Pathways in the Donor-Acceptor Type Molecules p-DTS(FBTTh) and p-SIDT(FBTTh). <i>Journal of Physical Chemistry B</i> , 2018 , 122, 9191-9201	3.4	5
258	Balance Between Light Absorption and Recombination Losses in Solution-Processed Small Molecule Solar Cells with Normal or Inverted Structures. <i>Advanced Energy Materials</i> , 2018 , 8, 1801807	21.8	15
257	Kinetic Versus Thermodynamic Orientational Preferences for a Series of Isomorphous Molecular Semiconductors. <i>ACS Omega</i> , 2018 , 3, 10198-10204	3.9	10
256	Conjugated Polyelectrolytes as Efficient Hole Transport Layers in Perovskite Light-Emitting Diodes. <i>ACS Nano</i> , 2018 , 12, 5826-5833	16.7	38
255	Informed Molecular Design of Conjugated Oligoelectrolytes To Increase Cell Affinity and Antimicrobial Activity. <i>Angewandte Chemie</i> , 2018 , 130, 8201-8204	3.6	6
254	Acceptor Percolation Determines How Electron-Accepting Additives Modify Transport of Ambipolar Polymer Organic Field-Effect Transistors. <i>ACS Nano</i> , 2018 , 12, 7134-7140	16.7	7
253	Morphology Optimization via Side Chain Engineering Enables All-Polymer Solar Cells with Excellent Fill Factor and Stability. <i>Journal of the American Chemical Society</i> , 2018 , 140, 8934-8943	16.4	171

252	Bandgap Narrowing in Non-Fullerene Acceptors: Single Atom Substitution Leads to High Optoelectronic Response Beyond 1000 nm. <i>Advanced Energy Materials</i> , 2018 , 8, 1801212	21.8	86
251	Toward Thermal Stable and High Photovoltaic Efficiency Ternary Conjugated Copolymers: Influence of Backbone Fluorination and Regioselectivity. <i>Chemistry of Materials</i> , 2017 , 29, 1758-1768	9.6	55
250	Carrier-Selective Traps: A New Approach for Fabricating Circuit Elements with Ambipolar Organic Semiconductors. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600537	6.4	12
249	Electrical Performance of a Molecular Organic Semiconductor under Thermal Stress. <i>Advanced Materials</i> , 2017 , 29, 1605511	24	16
248	Mixing Behavior in Small Molecule:Fullerene Organic Photovoltaics. <i>Chemistry of Materials</i> , 2017 , 29, 3062-3069	9.6	68
247	Observing Ion Motion in Conjugated Polyelectrolytes with Kelvin Probe Force Microscopy. <i>Advanced Electronic Materials</i> , 2017 , 3, 1700005	6.4	18
246	Understanding the Device Physics in Polymer-Based Ionic-Organic Ratchets. <i>Advanced Materials</i> , 2017 , 29, 1606464	24	11
245	A Ferrocene-Based Conjugated Oligoelectrolyte Catalyzes Bacterial Electrode Respiration. <i>Chem</i> , 2017 , 2, 240-257	16.2	21
244	Film morphology of solution-processed regioregular ternary conjugated polymer solar cells under processing additive stress. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8903-8908	13	8
243	Anaerobic Respiration on Self-Doped Conjugated Polyelectrolytes: Impact of Chemical Structure. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6519-6522	16.4	18
242	Anaerobic Respiration on Self-Doped Conjugated Polyelectrolytes: Impact of Chemical Structure. <i>Angewandte Chemie</i> , 2017 , 129, 6619-6622	3.6	8
241	Gate-Tunable Electron Injection Based Organic Light-Emitting Diodes for Low-Cost and Low-Voltage Active Matrix Displays. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 16750-16755	9.5	15
240	Topological Transformation of π -Conjugated Molecules Reduces Resistance to Crystallization. <i>Angewandte Chemie</i> , 2017 , 129, 9446-9449	3.6	6
239	Topological Transformation of π -Conjugated Molecules Reduces Resistance to Crystallization. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9318-9321	16.4	10
238	Molecular Considerations for Mesophase Interaction and Alignment of Lyotropic Liquid Crystalline Semiconducting Polymers. <i>ACS Macro Letters</i> , 2017 , 6, 619-624	6.6	21
237	Over 9% efficiency achieved for all-polymer solar cells processed by a green solvent. <i>Science China Chemistry</i> , 2017 , 60, 1109-1110	7.9	8
236	Conjugated-Polymer-Amplified Sensing, Imaging, and Therapy. <i>Chem</i> , 2017 , 2, 760-790	16.2	97
235	Organic solar cells processed from green solvents. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2017 , 5, 49-54	7.9	56

234	A Membrane-Intercalating Conjugated Oligoelectrolyte with High-Efficiency Photodynamic Antimicrobial Activity. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5031-5034	16.4	110
233	Comparing the device physics, dynamics and morphology of polymer solar cells employing conventional PCBM and non-fullerene polymer acceptor N2200. <i>Nano Energy</i> , 2017 , 35, 251-262	17.1	72
232	A Membrane-Intercalating Conjugated Oligoelectrolyte with High-Efficiency Photodynamic Antimicrobial Activity. <i>Angewandte Chemie</i> , 2017 , 129, 5113-5116	3.6	26
231	Regioregular narrow-bandgap-conjugated polymers for plastic electronics. <i>Nature Communications</i> , 2017 , 8, 14047	17.4	157
230	Conjugated Polyelectrolyte/Graphene Hetero-Bilayer Nanocomposites Exhibit Temperature Switchable Type of Conductivity. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600515	6.4	10
229	Hole Mobility and Electron Injection Properties of D-A Conjugated Copolymers with Fluorinated Phenylene Acceptor Units. <i>Advanced Materials</i> , 2017 , 29, 1603830	24	40
228	Antibacterial Narrow-Band-Gap Conjugated Oligoelectrolytes with High Photothermal Conversion Efficiency. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16063-16066	16.4	63
227	Antibacterial Narrow-Band-Gap Conjugated Oligoelectrolytes with High Photothermal Conversion Efficiency. <i>Angewandte Chemie</i> , 2017 , 129, 16279-16282	3.6	8
226	Regioisomeric Non-Fullerene Acceptors Containing Fluorobenzo[c][1,2,5]thiadiazole Unit for Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37087-37093	9.5	29
225	Enhancing Organic Semiconductor-Surface Plasmon Polariton Coupling with Molecular Orientation. <i>Nano Letters</i> , 2017 , 17, 6151-6156	11.5	10
224	Intermediate-Sized Conjugated Donor Molecules for Organic Solar Cells: Comparison of Benzodithiophene and Benzobisthiazole-Based Cores. <i>Chemistry of Materials</i> , 2017 , 29, 7880-7887	9.6	14
223	Impact of interfacial molecular orientation on radiative recombination and charge generation efficiency. <i>Nature Communications</i> , 2017 , 8, 79	17.4	160
222	Structural variations to a donor polymer with low energy losses. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18618-18626	13	11
221	Membrane Protein Insertion into and Compatibility with Biomimetic Membranes. <i>Advanced Biology</i> , 2017 , 1, e1700053	3.5	15
220	Improving Electrical Stability and Ideality in Organic Field-Effect Transistors by the Addition of Fullerenes: Understanding the Working Mechanism. <i>Advanced Functional Materials</i> , 2017 , 27, 1701358	15.6	20
219	Linear Conjugated Polymer Backbones Improve Alignment in Nanogroove-Assisted Organic Field-Effect Transistors. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17624-17631	16.4	52
218	Bendable n-Type Metallic Nanocomposites with Large Thermoelectric Power Factor. <i>Advanced Materials</i> , 2017 , 29, 1604752	24	87
217	Large-scale integration of flexible materials into rolled and corrugated thermoelectric modules. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	32

216	Monomolecular and Bimolecular Recombination of Electron-Hole Pairs at the Interface of a Bilayer Organic Solar Cell. <i>Advanced Functional Materials</i> , 2017 , 27, 1604906	15.6	40
215	Optical Properties of Benzotriazole-Based Conjugated Polyelectrolytes. <i>Macromolecules</i> , 2016 , 49, 6343-6349	5.3	6
214	Electrolyte Gated Polymer Light-Emitting Transistor. <i>Advanced Materials Technologies</i> , 2016 , 1, 16001036.8	3.8	23
213	Ternary D1D2AD2 Structured Conjugated Polymer: Efficient Green-Solvent-Processed Polymer/Neat-C70 Solar Cells. <i>Chemistry of Materials</i> , 2016 , 28, 7479-7486	9.6	40
212	Biomimetic wiring and stabilization of photosynthetic membrane proteins with block copolymer interfaces. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 15457-15463	13	21
211	Semiconductor Blends: Fullerene Additives Convert Ambipolar Transport to p-Type Transport while Improving the Operational Stability of Organic Thin Film Transistors (Adv. Funct. Mater. 25/2016). <i>Advanced Functional Materials</i> , 2016 , 26, 4616-4616	15.6	
210	Encapsulated Conjugated Oligomer Nanoparticles for Real-Time Photoacoustic Sentinel Lymph Node Imaging and Targeted Photothermal Therapy. <i>Small</i> , 2016 , 12, 4873-4880	11	42
209	Membrane permeabilization by conjugated oligoelectrolytes accelerates whole-cell catalysis. <i>RSC Advances</i> , 2016 , 6, 100300-100306	3.7	18
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