Juan Casado Cordn

List of Publications by Year in Descending Order

274 papers	8,579 citations	50 h-index	78 g-index
289 ext. papers	9,419 ext. citations	7.7 avg, IF	5.9 L-index

#	Paper	IF	Citations
274	Molecular and Spin Structures of a Through-Space Conjugated Triradical System.. *Angewandte Chemie - International Edition*, **2022**,	16.4	1
273	Strain Switching in van der Waals Heterostructures triggered by a Spin-Crossover Metal Organic Framework.. *Advanced Materials*, **2022**, e2110027	24	3
272	Cross-conjugated isothianaphthene quinoids: a versatile strategy for controlling electronic structures. *Journal of Materials Chemistry C*, **2022**, 10, 4424-4433	7.1	1
271	Raman Activities of Cyano-Ester Quinoidal Oligothiophenes Reveal Their Diradical Character and the Proximity of the Low-Lying Double Exciton State. *Chemistry*, **2022**, 4, 329-344	2.1	
270	Normal & reversed spin mobility in a diradical by electron-vibration coupling. *Nature Communications*, **2021**, 12, 6262	17.4	4
269	Single-molecule conductance in a unique cross-conjugated tetra(aminoaryl)ethene. *Chemical Communications*, **2021**, 57, 591-594	5.8	2
268	A nitrogen-doped asymmetric phenalenyl with a zwitterionic ground state. *Chemical Communications*, **2021**, 57, 8433-8436	5.8	1
267	Raman and ROA analyses of twisted anthracenes: connecting vibrational and electronic/photonic structures. *Physical Chemistry Chemical Physics*, **2021**, 23, 13996-14003	3.6	
266	Non-Aufbau Spiro-Conjugated Quinoidal & Aromatic Charged Radicals. *Bulletin of the Chemical Society of Japan*, **2021**, 94, 989-996	5.1	4
265	Near-Infrared Lasing in Four-Zigzag Edged Nanographenes by 1D versus 2D Electronic Conjugation. *Advanced Functional Materials*, **2021**, 31, 2105073	15.6	7
264	A Trapezoidal Octacyanoquinoid Acceptor Forms Solution and Surface Products by Antiparallel Shape Fitting with Conformational Dipole Momentum Switch. *Angewandte Chemie - International Edition*, **2021**, 60, 17887-17892	16.4	2
263	A Trapezoidal Octacyanoquinoid Acceptor Forms Solution and Surface Products by Antiparallel Shape Fitting with Conformational Dipole Momentum Switch. *Angewandte Chemie*, **2021**, 133, 18031-18036	3.6	1
262	Oligoene and cyanine features of tetracyano quinoidal oligothiophenes. *Journal of Materials Chemistry C*, **2021**, 9, 10727-10740	7.1	3
261	The loss of endgroup effects in long pyridyl-endcapped oligoynes on the way to carbyne. *Nature Chemistry*, **2020**, 12, 1143-1149	17.6	17
260	The New Noble Gas Molecule: A Molecular Trip beyond Atoms. *CheM*, **2020**, 6, 1514-1516	16.2	1
259	Diindenoanthracene Diradicaloids Enable Rational, Incremental Tuning of Their Singlet-Triplet Energy Gaps. *CheM*, **2020**, 6, 1353-1368	16.2	19
258	A Chichibabin's Hydrocarbon-Based Molecular Cage: The Impact of Structural Rigidity on Dynamics, Stability, and Electronic Properties. *Journal of the American Chemical Society*, **2020**, 142, 12730-12742	16.4	18

257	Raman Optical Activity (ROA) as a New Tool to Elucidate the Helical Structure of Poly(phenylacetylene)s. *Angewandte Chemie - International Edition*, **2020**, 59, 9080-9087	16.4	14
256	Cove-Edged Nanographenes with Localized Double Bonds. *Angewandte Chemie - International Edition*, **2020**, 59, 8113-8117	16.4	12
255	Raman Optical Activity (ROA) as a New Tool to Elucidate the Helical Structure of Poly(phenylacetylene)s. *Angewandte Chemie*, **2020**, 132, 9165-9172	3.6	8
254	Molecule Isomerism Modulates the Diradical Properties of Stable Singlet Diradicaloids. *Journal of the American Chemical Society*, **2020**, 142, 1548-1555	16.4	37
253	Aromatic Nanosandwich Obtained by Dimerization of a Nanographenoid Radical. *Journal of the American Chemical Society*, **2020**, 142, 3626-3635	16.4	19
252	Monoradicals and Diradicals of Dibenzofluoreno[3,2-]fluorene Isomers: Mechanisms of Electronic Delocalization. *Journal of the American Chemical Society*, **2020**,	16.4	10
251	Synthesis and electronic properties of pyridine end-capped cyclopentadithiophene-vinylene oligomers.. *RSC Advances*, **2020**, 10, 41264-41271	3.7	1
250	Cove-Edged Nanographenes with Localized Double Bonds. *Angewandte Chemie*, **2020**, 132, 8190-8194	3.6	7
249	Perylene-Fused, Aggregation-Free Polycyclic Aromatic Hydrocarbons for Solution-Processed Distributed Feedback Lasers. *Angewandte Chemie*, **2020**, 132, 15037-15044	3.6	4
248	Perylene-Fused, Aggregation-Free Polycyclic Aromatic Hydrocarbons for Solution-Processed Distributed Feedback Lasers. *Angewandte Chemie - International Edition*, **2020**, 59, 14927-14934	16.4	9
247	Linear, Non-Conjugated Cyclic and Conjugated Cyclic Paraphenylene under Pressure. *Molecules*, **2019**, 24,	4.8	2
246	Charge transport modulation in pseudorotaxane 1D stacks of acene and azaacene derivatives. *Chemical Science*, **2019**, 10, 2743-2749	9.4	22
245	Stable Cross-Conjugated Tetrathiophene Diradical. *Angewandte Chemie*, **2019**, 131, 11413	3.6	
244	Stable Cross-Conjugated Tetrathiophene Diradical. *Angewandte Chemie - International Edition*, **2019**, 58, 11291-11295	16.4	26
243	Lemniscular [16]Cycloparaphenylene: A Radially Conjugated Figure-Eight Aromatic Molecule. *Journal of the American Chemical Society*, **2019**, 141, 7421-7427	16.4	73
242	Long rylene nanoribbons express polyacetylene-like signatures at their edges. *Physical Chemistry Chemical Physics*, **2019**, 21, 7281-7287	3.6	3
241	Cholesteric Aggregation at the Quinoidal-to-Diradical Border Enabled Stable n-Doped Conductor. *CheM*, **2019**, 5, 964-976	16.2	48
240	Perylene Bridges Equally Delocalize Anions and Cations: Proportioned Quinoidal and Aromatic Content. *Angewandte Chemie - International Edition*, **2019**, 58, 14467-14471	16.4	16

239	Perylene Bridges Equally Delocalize Anions and Cations: Proportioned Quinoidal and Aromatic Content. *Angewandte Chemie*, **2019**, 131, 14609-14613	3.6	10
238	Singlet fission in spiroconjugated dimers. *Journal of Chemical Physics*, **2019**, 150, 204306	3.9	16
237	Solution-processed nanographene distributed feedback lasers. *Nature Communications*, **2019**, 10, 3327	17.4	41
236	Two-electron transfer stabilized by excited-state aromatization. *Nature Communications*, **2019**, 10, 4983	17.4	11
235	Fluoreno[2,1-a]fluorene: an ortho-naphthoquinodimethane-based system with partial diradical character. *Chemical Communications*, **2019**, 55, 14186-14189	5.8	9
234	Molecules under Pressure: The Case of [n]Cycloparaphenylenes. *Chemistry of Materials*, **2019**, 31, 6443-6452	9.5	5
233	[All]-S,S-dioxide Oligo-Thienylenevinylenes: Synthesis and Structural/Electronic Shapes from Their Molecular Force Fields. *Chemistry - A European Journal*, **2019**, 25, 464-468	4.8	1
232	Sequential Induction of Chirality in Helical Polymers: From the Stereocenter to the Achiral Solvent. *Journal of Physical Chemistry Letters*, **2018**, 9, 2266-2270	6.4	16
231	Stable Nitrogen-Centered Bis(imino)rylene Diradicaloids. *Chemistry - A European Journal*, **2018**, 24, 4944-4951	4.8	11
230	Isomerism, Diradical Signature, and Raman Spectroscopy: Underlying Connections in Diamino Oligophenyl Dications. *ChemPhysChem*, **2018**, 19, 1465-1470	3.2	4
229	Mechanochemistry in [6]Cycloparaphenylene: A Combined Raman Spectroscopy and Density Functional Theory Study. *ChemPhysChem*, **2018**, 19, 1903	3.2	8
228	Breathing-Dependent Redox Activity in a Tetrathiafulvalene-Based Metal-Organic Framework. *Journal of the American Chemical Society*, **2018**, 140, 10562-10569	16.4	48
227	Redox-Active Chiroptical Switching in Mono- and Bis-Iron Ethynylcarbo[6]helicenes Studied by Electronic and Vibrational Circular Dichroism and Resonance Raman Optical Activity. *Chemistry - A European Journal*, **2018**, 24, 15067-15079	4.8	19
226	Thieno[3,4-c]pyrrole-4,6-dione Oligothiophenes Have Two Crossed Paths for Electron Delocalization. *Chemistry - A European Journal*, **2018**, 24, 13523-13534	4.8	10
225	Oligothienylenevinylene Polarons and Bipolarons Confined between Electron-Accepting Perchlorotriphenylmethyl Radicals. *Chemistry - A European Journal*, **2018**, 24, 3776-3783	4.8	4
224	Extended Corannulene-Based Nanographenes: Selective Formation of Negative Curvature. *Journal of the American Chemical Society*, **2018**, 140, 17188-17196	16.4	89
223	Thiophene and its sulfur inhibit indenoindenodibenzothiophene diradicals from low-energy lying thermal triplets. *Nature Chemistry*, **2018**, 10, 1134-1140	17.6	71
222	The double exciton state of conjugated chromophores with strong diradical character: insights from TDDFT calculations. *Physical Chemistry Chemical Physics*, **2018**, 20, 24227-24238	3.6	21

221	Torsional Bias as a Strategy To Tune Singlet–Triplet Gaps in Organic Diradicals. *Journal of Physical Chemistry C*, **2018**, 122, 12148-12157	3.8	6
220	Chemistry and spectroscopy of cross-conjugated and pseudo-cross-conjugated quinolinium-ethynyl-benzoate mesomeric betaines. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2018**, 73, 481-491	1	4
219	Bis(aminoaryl) Carbon-Bridged Oligo(phenylenevinylene)s Expand the Limits of Electronic Couplings. *Angewandte Chemie - International Edition*, **2017**, 56, 2898-2902	16.4	41
218	Bis(aminoaryl) Carbon-Bridged Oligo(phenylenevinylene)s Expand the Limits of Electronic Couplings. *Angewandte Chemie*, **2017**, 129, 2944-2948	3.6	9
217	Fingerprints of Through-Bond and Through-Space Exciton and Charge–Electron Delocalization in Linearly Extended [2.2]Paracyclophanes. *Journal of the American Chemical Society*, **2017**, 139, 3095-3105	16.4	28
216	Push-Pull-Type Polychlorotriphenylmethyl Radicals: New Two-Photon Absorbers and Dyes for Generation of Photo-Charges. *Chemistry - A European Journal*, **2017**, 23, 7698-7702	4.8	16
215	Solvent-Directed Helical Stereomutation Discloses Pathway Complexity on N-Heterotriangulene-Based Organogelators. *Chemistry - A European Journal*, **2017**, 23, 11141-11146	4.8	29
214	Ambient Stable Radical Cations, Diradicaloid–Dimeric Dications, Closed-Shell Dications, and Diradical Dications of Methylthio-Capped Rylenes. *Chemistry - A European Journal*, **2017**, 23, 7595-7606	4.8	10
213	Dithienyl Acenedithiophenediones as New–Extended Quinoidal Cores: Synthesis and Properties. *Chemistry - A European Journal*, **2017**, 23, 4579-4589	4.8	14
212	Operative Mechanism of Hole-Assisted Negative Charge Motion in Ground States of Radical-Anion Molecular Wires. *Journal of the American Chemical Society*, **2017**, 139, 686-692	16.4	21
211	Oligomers of cyclopentadithiophene-vinylene in aromatic and quinoidal versions and redox species with intermediate forms. *Chemical Science*, **2017**, 8, 8106-8114	9.4	11
210	Carbon-Bridged Phenylene-Vinylenes: On the Common Diradicaloid Origin of Their Photonic and Chemical Properties. *Journal of Physical Chemistry C*, **2017**, 121, 23141-23148	3.8	13
209	Breaking Bonds and Forming Nanographene Diradicals with Pressure. *Angewandte Chemie*, **2017**, 129, 16430-16435	3.6	6
208	Breaking Bonds and Forming Nanographene Diradicals with Pressure. *Angewandte Chemie - International Edition*, **2017**, 56, 16212-16217	16.4	16
207	High-Pressure Chemistry and the Mechanochemical Polymerization of [5]-Cyclo-p-phenylene. *Chemistry - A European Journal*, **2017**, 23, 16593-16604	4.8	10
206	Chinoide/Aromatische Umwandlungen in–konjugierten Oligomeren: Raman-Schwingungsspektroskopie an der Grenze zum–Bindungsbruch. *Angewandte Chemie*, **2017**, 129, 2286-2296	3.6	22
205	Para-Quinodimethanes: A Unified Review of the Quinoidal-Versus-Aromatic Competition and its Implications. *Topics in Current Chemistry*, **2017**, 375, 73	7.2	45
204	Even and odd oligothiophene-bridged bis-naphthalimides for n-type and ambipolar organic field effect transistors. *Journal of Materials Chemistry C*, **2017**, 5, 9439-9450	7.1	5

203	Formation of complexes between functionalized chitosan membranes and copper: A study by angle resolved XPS. *Materials Chemistry and Physics*, **2017**, 185, 152-161	4.4	41
202	Quinoidal/Aromatic Transformations in Conjugated Oligomers: Vibrational Raman studies on the Limits of Rupture for Bonds. *Angewandte Chemie - International Edition*, **2017**, 56, 2250-2259	16.4	69
201	Para-Quinodimethanes: A Unified Review of the Quinoidal-Versus-Aromatic Competition and its Implications. *Topics in Current Chemistry Collections*, **2017**, 209-248	1.8	2
200	A Biradical Balancing Act: Redox Amphoterism in a Diindenoanthracene Derivative Results from Quinoidal Acceptor and Aromatic Donor Motifs. *Journal of the American Chemical Society*, **2016**, 138, 12648-54	16.4	39
199	Reversible Dimerization and Polymerization of a Janus Diradical To Produce Labile C Bonds and Large Chromic Effects. *Angewandte Chemie*, **2016**, 128, 14783-14788	3.6	15
198	Reversible Dimerization and Polymerization of a Janus Diradical To Produce Labile C-C Bonds and Large Chromic Effects. *Angewandte Chemie - International Edition*, **2016**, 55, 14563-14568	16.4	42
197	Iron Alkynyl Helicenes: Redox-Triggered Chiroptical Tuning in the IR and Near-IR Spectral Regions and Suitable for Telecommunications Applications. *Angewandte Chemie - International Edition*, **2016**, 55, 8062-6	16.4	55
196	Fully Fused Quinoidal/Aromatic Carbazole Macrocycles with Poly-radical Characters. *Journal of the American Chemical Society*, **2016**, 138, 7782-90	16.4	63
195	From linear to cyclic oligoparaphenylenes: electronic and molecular changes traced in the vibrational Raman spectra and reformulation of the bond length alternation pattern. *Physical Chemistry Chemical Physics*, **2016**, 18, 11683-92	3.6	26
194	Benzo-thia-fused thienoacenequinodimethanes with small to moderate diradical characters: the role of pro-aromaticity anti-aromaticity. *Chemical Science*, **2016**, 7, 3036-3046	9.4	31
193	Benzotrithiophene versus Benzo/Naphthodithiophene Building Blocks: The Effect of Star-Shaped versus Linear Conjugation on Their Electronic Structures. *Chemistry - A European Journal*, **2016**, 22, 6374-81	4.8	12
192	Iron Alkynyl Helicenes: Redox-Triggered Chiroptical Tuning in the IR and Near-IR Spectral Regions and Suitable for Telecommunications Applications. *Angewandte Chemie*, **2016**, 128, 8194-8198	3.6	22
191	Diindeno-fusion of an anthracene as a design strategy for stable organic biradicals. *Nature Chemistry*, **2016**, 8, 753-9	17.6	217
190	The Raman fingerprint of cyclic conjugation: the case of the stabilization of cations and dications in cycloparaphenylenes. *Chemical Science*, **2016**, 7, 3494-3499	9.4	16
189	Extending Hexaazatriphenylene with Mono-/Bithiophenes in Acceptor Donor Diads and Acceptor Donor Acceptor Triads. *Journal of Physical Chemistry C*, **2016**, 120, 23276-23285	3.8	5
188	Berichtigung: An Unusually Small Singlet Triplet Gap in a Quinoidal 1,6-Methano[10]annulene Resulting from Baird's 4n Electron Triplet Stabilization. *Angewandte Chemie*, **2016**, 128, 9268-9268	3.6	
187	High Yield Ultrafast Intramolecular Singlet Exciton Fission in a Quinoidal Bithiophene. *Journal of Physical Chemistry Letters*, **2015**, 6, 1375-84	6.4	91
186	Push-Pull Type Oligo(N-annulated perylene)quinodimethanes: Chain Length and Solvent-Dependent Ground States and Physical Properties. *Journal of the American Chemical Society*, **2015**, 137, 8572-83	16.4	76

185	Multifaceted Regioregular Oligo(thieno[3,4-b]thiophene)s Enabled by Tunable Quinoidization and Reduced Energy Band Gap. *Journal of the American Chemical Society*, **2015**, 137, 10357-66	16.4	47
184	On the handedness of helical aggregates of C3 tricarboxamides: a multichiroptical characterization. *Chemical Communications*, **2015**, 51, 9781-4	5.8	24
183	Planarization, fusion, and strain of carbon-bridged phenylenevinylene oligomers enhance π-electron and charge conjugation: a dissectional vibrational Raman study. *Journal of the American Chemical Society*, **2015**, 137, 3834-43	16.4	39
182	An Unusually Small Singlet-Triplet Gap in a Quinoidal 1,6-Methano[10]annulene Resulting from Baird's 4n π-Electron Triplet Stabilization. *Angewandte Chemie - International Edition*, **2015**, 54, 5888-93	16.4	25
181	Understanding the origin of the VCD signals on the basis of a nonredundant coordinate definition. *Journal of Chemical Theory and Computation*, **2015**, 11, 2633-41	6.4	2
180	An Unusually Small Singlet–Triplet Gap in a Quinoidal 1,6-Methano[10]annulene Resulting from Baird's 4n π-Electron Triplet Stabilization. *Angewandte Chemie*, **2015**, 127, 5986-5991	3.6	8
179	Innentitelbild: An Unusually Small Singlet–Triplet Gap in a Quinoidal 1,6-Methano[10]annulene Resulting from Baird's 4n π-Electron Triplet Stabilization (Angew. Chem. 20/2015). *Angewandte Chemie*, **2015**, 127, 5890-5890	3.6	
178	Carbon-bridged oligo(p-phenylenevinylene)s for photostable and broadly tunable, solution-processable thin film organic lasers. *Nature Communications*, **2015**, 6, 8458	17.4	82
177	D-π-A Compounds with Tunable Intramolecular Charge Transfer Achieved by Incorporation of Butenolide Nitriles as Acceptor Moieties. *Journal of Organic Chemistry*, **2015**, 80, 12115-28	4.2	36
176	Polarization, second-order nonlinear optical properties and electrochromism in 4H-pyranylidene chromophores with a quinoid/aromatic thiophene ring bridge. *RSC Advances*, **2015**, 5, 231-242	3.7	28
175	Vibrational Raman Shifts and Aromaticity: The Case of Oligothiophenes. *Chemical Record*, **2015**, 15, 1110-26	6.6	13
174	Pro-aromatic and anti-aromatic π-conjugated molecules: an irresistible wish to be diradicals. *Chemical Society Reviews*, **2015**, 44, 6578-96	58.5	399
173	Robust ethylenedioxythiophene-vinylene oligomers from fragile thiophene-vinylene cores: synthesis and optical, chemical and electrochemical properties of multicharged shapes. *Chemistry - A European Journal*, **2015**, 21, 1713-25	4.8	9
172	Alkoxy-Functionalized Thienyl-Vinylene Polymers for Field-Effect Transistors and All-Polymer Solar Cells. *Advanced Functional Materials*, **2014**, 24, 2782-2793	15.6	76
171	Properties of sizeable [n]cycloparaphenylenes as molecular models of single-wall carbon nanotubes elucidated by Raman spectroscopy: structural and electron-transfer responses under mechanical stress. *Angewandte Chemie - International Edition*, **2014**, 53, 7033-7	16.4	70
170	Anthocyanin profile and antioxidant capacity of black carrots (Daucus carota L. ssp. sativus var. atrorubens Alef.) from Cuevas Bajas, Spain. *Journal of Food Composition and Analysis*, **2014**, 33, 71-76	4.1	110
169	EDOT-Based Copolymers with Pendant Anthraquinone Units: Analysis of Their Optoelectronic Properties within the Double-Cable Context. *Journal of Physical Chemistry C*, **2014**, 118, 9899-9910	3.8	2
168	Diradicals acting through diamagnetic phenylene vinylene bridges: Raman spectroscopy as a probe to characterize spin delocalization. *Journal of Chemical Physics*, **2014**, 140, 164903	3.9	5

167	Properties of Sizeable [n]Cycloparaphenylenes as Molecular Models of Single-Wall Carbon Nanotubes Elucidated by Raman Spectroscopy: Structural and Electron-Transfer Responses under Mechanical Stress. *Angewandte Chemie*, **2014**, 126, 7153-7157	3.6	22
166	Antiaromatic bisindeno-[n]thienoacenes with small singlet biradical characters: syntheses, structures and chain length dependent physical properties. *Chemical Science*, **2014**, 5, 4490-4503	9.4	53
165	Unfolding Pathway of a Globular Protein by Surfactants Monitored with Raman Optical Activity. *Journal of Physical Chemistry Letters*, **2014**, 5, 8-13	6.4	8
164	Zethrene biradicals: how pro-aromaticity is expressed in the ground electronic state and in the lowest energy singlet, triplet, and ionic states. *Journal of Chemical Physics*, **2014**, 140, 054706	3.9	28
163	Phenyl- and Thienyl-Ended Symmetric Azomethines and Azines as Model Compounds for n-Channel Organic Field-Effect Transistors: An Electrochemical and Computational Study. *Journal of Physical Chemistry C*, **2014**, 118, 3984-3993	3.8	26
162	Carbon dots obtained using hydrothermal treatment of formaldehyde. Cell imaging in vitro. *Nanoscale*, **2014**, 6, 9071-7	7.7	71
161	Turning on the biradical state of tetracyano-perylene and quaterrylenequinodimethanes by incorporation of additional thiophene rings. *Chemical Science*, **2014**, 5, 3072-3080	9.4	43
160	Inversion of supramolecular helicity in oligo-p-phenylene-based supramolecular polymers: influence of molecular atropisomerism. *Angewandte Chemie - International Edition*, **2014**, 53, 1373-7	16.4	90
159	Chameleon-like behaviour of cyclo[n]paraphenylenes in complexes with C70: on their impressive electronic and structural adaptability as probed by Raman spectroscopy. *Faraday Discussions*, **2014**, 173, 157-71	3.6	26
158	The unusual electronic structure of ambipolar dicyanovinyl-substituted diketopyrrolopyrrole derivatives. *Journal of Materials Chemistry C*, **2014**, 2, 6376	7.1	49
157	Characterization of an engineered cellulose based membrane by thiol dendrimer for heavy metals removal. *Chemical Engineering Journal*, **2014**, 253, 472-477	14.7	35
156	Inversion of Supramolecular Helicity in Oligo-p-phenylene-Based Supramolecular Polymers: Influence of Molecular Atropisomerism. *Angewandte Chemie*, **2014**, 126, 1397-1401	3.6	28
155	A combined MD/QM and experimental exploration of conformational richness in branched oligothiophenes. *Physical Chemistry Chemical Physics*, **2014**, 16, 24841-52	3.6	9
154	Synthesis in gas and liquid phase: general discussion. *Faraday Discussions*, **2014**, 173, 115-35	3.6	2
153	Mode Robustness in Raman Optical Activity. *Journal of Chemical Theory and Computation*, **2014**, 10, 5520-67	5.4	21
152	Tetracyanoquaterrylene and tetracyanohexarylenequinodimethanes with tunable ground states and strong near-infrared absorption. *Angewandte Chemie - International Edition*, **2013**, 52, 8561-5	16.4	88
151	Molecular and electronic-structure basis of the ambipolar behavior of naphthalimide-terthiophene derivatives: implementation in organic field-effect transistors. *Chemistry - A European Journal*, **2013**, 19, 12458-67	4.8	30
150	Push-pull systems bearing a quinoid/aromatic thieno[3,2-b]thiophene moiety: synthesis, ground state polarization and second-order nonlinear properties. *Organic and Biomolecular Chemistry*, **2013**, 11, 6338-49	3.9	20

149	Interpretation of the infrared and Raman spectra of zwitterionic push–pull dyes based on quinoidal thiazole. *Journal of Molecular Structure*, **2013**, 1044, 55-60	3.4	1
148	Novel Thiophene–Phenylene–Thiophene Fused Bislactam-Based Donor–Acceptor Type Conjugate Polymers: Synthesis by Direct Arylation and Properties. *Macromolecules*, **2013**, 46, 9220-9230	5.5	40
147	The first chiral Raman spectrum report of a protein: a perspective of 20 years. *Chemical Communications*, **2013**, 49, 8893-5	5.8	7
146	Designing new symmetrical facial oligothiophene amphiphiles. *Organic and Biomolecular Chemistry*, **2013**, 11, 8435-42	3.9	6
145	Impact of the synergistic collaboration of oligothiophene bridges and ruthenium complexes on the optical properties of dumbbell-shaped compounds. *Chemistry - A European Journal*, **2013**, 19, 1476-88	4.8	9
144	Evidence for multicenter bonding in dianionic tetracyanoethylene dimers by Raman spectroscopy. *Angewandte Chemie - International Edition*, **2013**, 52, 6421-5	16.4	31
143	Evidence for Multicenter Bonding in Dianionic Tetracyanoethylene Dimers by Raman Spectroscopy. *Angewandte Chemie*, **2013**, 125, 6549-6553	3.6	12
142	Pushing extended p-quinodimethanes to the limit: stable tetracyano-oligo(N-annulated perylene)quinodimethanes with tunable ground states. *Journal of the American Chemical Society*, **2013**, 135, 6363-71	16.4	150
141	Amplified Spontaneous Emission in Pentathienoacene Dioxides by Direct Optical Pump and by Energy Transfer: Correlation with Photophysical Parameters. *Advanced Optical Materials*, **2013**, 1, 588-599	8.1	9
140	Thermomagnetic Molecular System Based on TTF-PTM Radical: Switching the Spin and Charge Delocalization. *Journal of Physical Chemistry Letters*, **2013**, 4, 2721-2726	6.4	29
139	Linear and Nonlinear Optical Properties of Ramified Hexaazatriphenylenes: Charge Transfer Contributions to the Octupolar Response. *Journal of Physical Chemistry C*, **2013**, 117, 626-632	3.8	16
138	Tetracyanoquaterrylene and Tetracyanohexarylenequinodimethanes with Tunable Ground States and Strong Near-Infrared Absorption. *Angewandte Chemie*, **2013**, 125, 8723-8727	3.6	29
137	Charge-transport in Organic Semiconductors: Probing High Mobility with Light. *Materials Research Society Symposia Proceedings*, **2013**, 1568, 1		
136	Interplay of σ versus π conjugation in the excited states and charged defects of branched oligothiophenes as models for dendrimeric materials. *Chemistry - A European Journal*, **2013**, 19, 17165-71	4.8	6
135	Controlling the Macroscopic Chirality of Organic Materials Based on 1,3,5-Trialkynylbenzenes. *European Journal of Organic Chemistry*, **2012**, 2012, 1577-1582	3.2	5
134	Synthesis of the smallest axially chiral molecule by asymmetric carbon-fluorine bond activation. *Angewandte Chemie - International Edition*, **2012**, 51, 2218-20	16.4	39
133	Carbon-bridged oligo(phenylenevinylene)s: stable π-systems with high responsiveness to doping and excitation. *Journal of the American Chemical Society*, **2012**, 134, 19254-9	16.4	79
132	Carbonyl-functionalized quaterthiophenes: a study of the vibrational Raman and electronic absorption/emission properties guided by theoretical calculations. *ChemPhysChem*, **2012**, 13, 168-76	3.2	8

131	Quinoidal oligothiophenes: new properties behind an unconventional electronic structure. *Chemical Society Reviews*, **2012**, 41, 5672-86	58.5	204
130	Kinetically blocked stable heptazethrene and octazethrene: closed-shell or open-shell in the ground state?. *Journal of the American Chemical Society*, **2012**, 134, 14913-22	16.4	213
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