

Juan Casado Cordn

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274
papers

8,579
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50
h-index

78
g-index

289
ext. papers

9,419
ext. citations

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avg, IF

5.9
L-index

#	Paper	IF	Citations
274	Pro-aromatic and anti-aromatic π -conjugated molecules: an irresistible wish to be diradicals. <i>Chemical Society Reviews</i> , 2015 , 44, 6578-96	58.5	399
273	A pi-stacking terthiophene-based quinodimethane is an n-channel conductor in a thin film transistor. <i>Journal of the American Chemical Society</i> , 2002 , 124, 4184-5	16.4	253
272	Diindeno-fusion of an anthracene as a design strategy for stable organic biradicals. <i>Nature Chemistry</i> , 2016 , 8, 753-9	17.6	217
271	Kinetically blocked stable heptazethrene and octazethrene: closed-shell or open-shell in the ground state?. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14913-22	16.4	213
270	Quinoidal oligothiophenes: new properties behind an unconventional electronic structure. <i>Chemical Society Reviews</i> , 2012 , 41, 5672-86	58.5	204
269	Stable tetrabenzo-Chichibabin's hydrocarbons: tunable ground state and unusual transition between their closed-shell and open-shell resonance forms. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14513-25	16.4	176
268	Impact of perfluorination on the charge-transport parameters of oligoacene crystals. <i>Journal of the American Chemical Society</i> , 2009 , 131, 1502-12	16.4	165
267	Pushing extended p-quinodimethanes to the limit: stable tetracyano-oligo(N-annulated perylene)quinodimethanes with tunable ground states. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6363-71	16.4	150
266	On the biradicaloid nature of long quinoidal oligothiophenes: experimental evidence guided by theoretical studies. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 9057-61	16.4	139
265	Microwave-assisted sidewall functionalization of single-wall carbon nanotubes by Diels-Alder cycloaddition. <i>Chemical Communications</i> , 2004 , 1734-5	5.8	131
264	Anthocyanin profile and antioxidant capacity of black carrots (<i>Daucus carota</i> L. ssp. <i>sativus</i> var. <i>atrorubens</i> Alef.) from Cuevas Bajas, Spain. <i>Journal of Food Composition and Analysis</i> , 2014 , 33, 71-76	4.1	110
263	Nitro-functionalized oligothiophenes as a novel type of electroactive molecular material: spectroscopic, electrochemical, and computational study. <i>Journal of the American Chemical Society</i> , 2003 , 125, 2524-34	16.4	101
262	Quinonoid oligothiophenes as electron-donor and electron-acceptor materials. A spectroelectrochemical and theoretical study. <i>Journal of the American Chemical Society</i> , 2002 , 124, 12380-8 [†]	16.4	101
261	Vibrational spectra of charged defects in a series of β -dimethyl end-capped oligothiophenes induced by chemical doping with iodine. <i>Journal of Chemical Physics</i> , 1998 , 109, 10419-10429	3.9	100
260	Tuning first molecular hyperpolarizabilities through the use of proaromatic spacers. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8835-45	16.4	92
259	High Yield Ultrafast Intramolecular Singlet Exciton Fission in a Quinoidal Bithiophene. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 1375-84	6.4	91
258	Inversion of supramolecular helicity in oligo-p-phenylene-based supramolecular polymers: influence of molecular atropisomerism. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1373-7	16.4	90

257	Tuning the supramolecular chirality of one- and two-dimensional aggregates with the number of stereogenic centers in the component porphyrins. <i>Journal of the American Chemical Society</i> , 2010 , 132, 9350-62	16.4	89
256	Extended Corannulene-Based Nanographenes: Selective Formation of Negative Curvature. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17188-17196	16.4	89
255	Tetracyanoquaterrylene and tetracyanohexarylenequinodimethanes with tunable ground states and strong near-infrared absorption. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8561-5	16.4	88
254	Carbon-bridged oligo(p-phenylenevinylene)s for photostable and broadly tunable, solution-processable thin film organic lasers. <i>Nature Communications</i> , 2015 , 6, 8458	17.4	82
253	Structure-property relationships in push-pull amino/cyanovinyl end-capped oligothiophenes: quantum chemical and experimental studies. <i>Journal of Organic Chemistry</i> , 2006 , 71, 7509-20	4.2	80
252	Carbon-bridged oligo(phenylenevinylene)s: stable systems with high responsiveness to doping and excitation. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19254-9	16.4	79
251	Push-Pull Type Oligo(N-annulated perylene)quinodimethanes: Chain Length and Solvent-Dependent Ground States and Physical Properties. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8572-83	16.4	76
250	Alkoxy-Functionalized Thienyl-Vinylene Polymers for Field-Effect Transistors and All-Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2014 , 24, 2782-2793	15.6	76
249	Thiophene-diazine molecular semiconductors: synthesis, structural, electrochemical, optical, and electronic structural properties; implementation in organic field-effect transistors. <i>Chemistry - A European Journal</i> , 2009 , 15, 5023-39	4.8	76
248	Lemniscular [16]Cycloparaphenylene: A Radially Conjugated Figure-Eight Aromatic Molecule. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7421-7427	16.4	73
247	Carbon dots obtained using hydrothermal treatment of formaldehyde. Cell imaging in vitro. <i>Nanoscale</i> , 2014 , 6, 9071-7	7.7	71
246	Dinitro and quinodimethane derivatives of terthiophene that can be both oxidized and reduced. Crystal structures, spectra, and a method for analyzing quinoid contributions to structure. <i>Journal of Organic Chemistry</i> , 2002 , 67, 6015-24	4.2	71
245	Thiophene and its sulfur inhibit indenoindenodibenzothiophene diradicals from low-energy lying thermal triplets. <i>Nature Chemistry</i> , 2018 , 10, 1134-1140	17.6	71
244	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. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 7033-7	16.4	70
243	Quinoidal/Aromatic Transformations in Conjugated Oligomers: Vibrational Raman studies on the Limits of Rupture for Bonds. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2250-2259	16.4	69
242	FT-Raman Studies of Charged Defects Created on Methyl End-Capped Oligothiophenes by Doping with NOBF ₄ . <i>Advanced Materials</i> , 1998 , 10, 1458-1461	24	65
241	Fully Fused Quinoidal/Aromatic Carbazole Macrocycles with Poly-radical Characters. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7782-90	16.4	63
240	Ambipolar Organic Field-Effect Transistors from Cross-Conjugated Aromatic Quaterthiophenes; Comparisons with Quinoidal Parent Materials. <i>Advanced Functional Materials</i> , 2009 , 19, 386-394	15.6	63

- 239 Quinoidal oligothiophenes: towards biradical ground-state species. *Chemistry - A European Journal*, **2010**, 16, 470-84 4.8 63
- 238 Experimental and Theoretical Study of the Infrared and Raman Spectra of a Substituted Sexithiophene in Five Oxidation States. *Journal of Physical Chemistry B*, **2002**, 106, 3597-3605 3.4 60
- 237 Combined Spectroelectrochemical and Theoretical Study of a Vinylene-Bridged Sexithiophene Cooligomer: Analysis of the π -Electron Delocalization and of the Electronic Defects Generated upon Doping. *Journal of Physical Chemistry B*, **2002**, 106, 3872-3881 3.4 60
- 236 The first synthesis of a conjugated hybrid of C60 fullerene and a single-wall carbon nanotube. *Carbon*, **2007**, 45, 2250-2252 10.4 59
- 235 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
- 234 Molecules with Multiple Light-Emissive Electronic Excited States as a Strategy toward Molecular Reversible Logic Gates. *Journal of Physical Chemistry C*, **2007**, 111, 6904-6909 3.8 55
- 233 Enhanced functionality for donor-acceptor oligothiophenes by means of inclusion of BODIPY: synthesis, electrochemistry, photophysics, and model chemistry. *Chemistry - A European Journal*, **2011**, 17, 498-507 4.8 54
- 232 Aromatic/proaromatic donors in 2-dicyanomethylenethiazole merocyanines: from neutral to strongly zwitterionic nonlinear optical chromophores. *Chemistry - A European Journal*, **2011**, 17, 826-38 4.8 54
- 231 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
- 230 Synthesis and Doping of a Multifunctional Tetrathiafulvalene- Substituted Poly(isocyanide). *Macromolecules*, **2007**, 40, 7521-7531 5.5 53
- 229 Exploration of ground and excited electronic states of aromatic and quinoid S,S-dioxide terthiophenes. Complementary systems for enhanced electronic organic materials. *Journal of the American Chemical Society*, **2006**, 128, 10134-44 16.4 53
- 228 Vibrational and quantum-chemical study of push-pull chromophores for second-order nonlinear optics from rigidified thiophene-based π -conjugating spacers. *Chemistry - A European Journal*, **2003**, 9, 3670-82 4.8 53
- 227 The frontiers of quinoidal stability in long oligothiophenes: Raman spectra of dicationic polaron pairs. *Journal of the American Chemical Society*, **2011**, 133, 16350-3 16.4 51
- 226 Efficiency of the π -conjugation in a novel family of π -bisphenyl end-capped oligothiophenes by means of Raman spectroscopy. *Journal of Chemical Physics*, **2002**, 116, 10419-10427 3.9 51
- 225 Do [all]-S,S'-dioxide oligothiophenes show electronic and optical properties of oligoenes and/or of oligothiophenes?. *Journal of the American Chemical Society*, **2010**, 132, 6231-42 16.4 50
- 224 Raman detection of "ambiguous" conjugated biradicals: rapid thermal singlet-to-triplet intersystem crossing in an extended viologen. *Angewandte Chemie - International Edition*, **2008**, 47, 1443-6 16.4 50
- 223 The unusual electronic structure of ambipolar dicyanovinyl-substituted diketopyrrolopyrrole derivatives. *Journal of Materials Chemistry C*, **2014**, 2, 6376 7.1 49
- 222 Cholesteric Aggregation at the Quinoidal-to-Diradical Border Enabled Stable n-Doped Conductor. *CheM*, **2019**, 5, 964-976 16.2 48

221	Breathing-Dependent Redox Activity in a Tetrathiafulvalene-Based Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10562-10569	16.4	48
220	Electronic modulation of dithienothiophene (DTT) as pi-center of D-pi-D chromophores on optical and redox properties: analysis by UV-Vis-NIR and Raman spectroscopies combined with electrochemistry and quantum chemical DFT calculations. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13363-71	16.4	48
219	Multifaceted Regioregular Oligo(thieno[3,4-b]thiophene)s Enabled by Tunable Quinoidization and Reduced Energy Band Gap. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10357-66	16.4	47
218	On the Biradicaloid Nature of Long Quinoidal Oligothiophenes: Experimental Evidence Guided by Theoretical Studies. <i>Angewandte Chemie</i> , 2007 , 119, 9215-9219	3.6	46
217	Para-Quinodimethanes: A Unified Review of the Quinoidal-Versus-Aromatic Competition and its Implications. <i>Topics in Current Chemistry</i> , 2017 , 375, 73	7.2	45
216	Electronic, Optical, and Vibrational Properties of Bridged Dithienylethylene-Based NLO Chromophores. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 3109-3120	3.8	44
215	Turning on the biradical state of tetracyano-perylene and quaterrylenequinodimethanes by incorporation of additional thiophene rings. <i>Chemical Science</i> , 2014 , 5, 3072-3080	9.4	43
214	Spectroscopic and theoretical study of the molecular and electronic structures of a terthiophene-based quinodimethane. <i>ChemPhysChem</i> , 2004 , 5, 529-39	3.2	43
213	Vibrational and quantum-chemical study of nonlinear optical chromophores containing dithienothiophene as the electron relay. <i>Chemistry - A European Journal</i> , 2004 , 10, 3805-16	4.8	43
212	Reversible Dimerization and Polymerization of a Janus Diradical To Produce Labile C-C Bonds and Large Chromic Effects. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14563-14568	16.4	42
211	Bis(aminoaryl) Carbon-Bridged Oligo(phenylenevinylene)s Expand the Limits of Electronic Couplings. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2898-2902	16.4	41
210	Solution-processed nanographene distributed feedback lasers. <i>Nature Communications</i> , 2019 , 10, 3327	17.4	41
209	Formation of complexes between functionalized chitosan membranes and copper: A study by angle resolved XPS. <i>Materials Chemistry and Physics</i> , 2017 , 185, 152-161	4.4	41
208	Magnetic Properties of Quinoidal Oligothiophenes: More Than Good Candidates for Ambipolar Organic Semiconductors?. <i>Advanced Functional Materials</i> , 2006 , 16, 531-536	15.6	41
207	Alternated quinoid/aromatic units in terthiophenes building blocks for electroactive narrow band gap polymers. Extended spectroscopic, solid state, electrochemical, and theoretical study. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 16616-27	3.4	41
206	Novel Thiophene-Phenylene-Thiophene Fused Bislactam-Based Donor-Acceptor Type Conjugate Polymers: Synthesis by Direct Arylation and Properties. <i>Macromolecules</i> , 2013 , 46, 9220-9230	5.5	40
205	Multidisciplinary physicochemical analysis of oligothiophenes end-capped by nitriles: electrochemistry, UV-vis-near-IR, IR, and Raman spectroscopies and quantum chemistry. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 10115-25	3.4	40
204	Planarization, fusion, and strain of carbon-bridged phenylenevinylene oligomers enhance electron and charge conjugation: a dissectional vibrational Raman study. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3834-43	16.4	39

203	A Biradical Balancing Act: Redox Amphoterism in a Diindenoanthracene Derivative Results from Quinoidal Acceptor and Aromatic Donor Motifs. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12648-54	16.4	39
202	Synthesis of the smallest axially chiral molecule by asymmetric carbon-fluorine bond activation. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2218-20	16.4	39
201	Vibrational Spectroscopic Features of a Novel Family of Amorphous Molecular Materials Containing an Oligothiophene Moiety as Color-Tunable Emitting Materials. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 7163-7170	3.4	39
200	Computation and Spectroelectrochemistry as Complementary Tools for the Study of Electrochemically Induced Charged Defects in 4-[Bis(4-methylphenyl)amino]phenyl Oligothiophenes as Model Systems for Hole-Transporting Materials. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 2637-2644	3.4	38
199	Self-assembly studies of a chiral bisurea-based superhydrogelator. <i>Chemistry - A European Journal</i> , 2012 , 18, 14725-31	4.8	37
198	Oligothiophene Tetracyanobutadienes: Alternative Donor-Acceptor Architectures for Molecular and Polymeric Materials. <i>Chemistry of Materials</i> , 2011 , 23, 823-831	9.6	37
197	Optical, redox, and NLO properties of tricyanovinyl oligothiophenes: comparisons between symmetric and asymmetric substitution patterns. <i>Chemistry - A European Journal</i> , 2006 , 12, 5458-70	4.8	37
196	Molecule Isomerism Modulates the Diradical Properties of Stable Singlet Diradicaloids. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1548-1555	16.4	37
195	D- π A Compounds with Tunable Intramolecular Charge Transfer Achieved by Incorporation of Butenolide Nitriles as Acceptor Moieties. <i>Journal of Organic Chemistry</i> , 2015 , 80, 12115-28	4.2	36
194	Characterization of an engineered cellulose based membrane by thiol dendrimer for heavy metals removal. <i>Chemical Engineering Journal</i> , 2014 , 253, 472-477	14.7	35
193	Hexaazatriphenylene (HAT) versus tri-HAT: the bigger the better?. <i>Chemistry - A European Journal</i> , 2011 , 17, 10312-22	4.8	34
192	Raman spectroscopy shows interchain through space charge delocalization in a mixed valence oligothiophene cation and in its pi-dimeric biradicaloid dication. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14028-9	16.4	34
191	Electronic and molecular structures of trigonal truxene-core systems conjugated to peripheral fluorene branches. Spectroscopic and theoretical study. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 4026-35	3.4	33
190	Magnetic and Conductive Properties of Quinoidal Oligothiophenes. <i>Chemistry of Materials</i> , 2006 , 18, 1539-1545	9.6	32
189	Vibrational Spectroscopic Study of a Series of μ -Diethyl End-Capped Oligothiophenes with Different Chain Lengths in the Neutral State. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 816-822	2.8	32
188	Benzo-thia-fused π -thienoacenequinodimethanes with small to moderate diradical characters: the role of pro-aromaticity anti-aromaticity. <i>Chemical Science</i> , 2016 , 7, 3036-3046	9.4	31
187	Delocalization-to-localization charge transition in diferrocenyl-oligothienylene-vinylene molecular wires as a function of the size by Raman spectroscopy. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5675-81	16.4	31
186	Evidence for multicenter bonding in dianionic tetracyanoethylene dimers by Raman spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6421-5	16.4	31

185	Vibrational study of push-pull chromophores for second-order non-linear optics derived from rigidified thiophene π -conjugating spacers. <i>Journal of Molecular Structure</i> , 2003 , 651-653, 151-158	3.4	31
184	Molecular and electronic-structure basis of the ambipolar behavior of naphthalimide-terthiophene derivatives: implementation in organic field-effect transistors. <i>Chemistry - A European Journal</i> , 2013 , 19, 12458-67	4.8	30
183	Octopolar chromophores based on donor- and acceptor-substituted 1,3,5-tris(phenylethynyl)benzenes: impact of meta-conjugation on the molecular and electronic structure by means of spectroscopy and theory. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 19198-206	3.4	30
182	Solvent-Directed Helical Stereomutation Discloses Pathway Complexity on N-Heterotriangulene-Based Organogelators. <i>Chemistry - A European Journal</i> , 2017 , 23, 11141-11146	4.8	29
181	Thermomagnetic Molecular System Based on TTF-PTM Radical: Switching the Spin and Charge Delocalization. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 2721-2726	6.4	29
180	Tetracyanoquaterrylene and Tetracyanohexarylenequinodimethanes with Tunable Ground States and Strong Near-Infrared Absorption. <i>Angewandte Chemie</i> , 2013 , 125, 8723-8727	3.6	29
179	Infrared and Raman spectra of L-asparagine and L-asparagine-d5 in the solid state. <i>Journal of Raman Spectroscopy</i> , 1995 , 26, 1003-1008	2.3	29
178	Fingerprints of Through-Bond and Through-Space Exciton and Charge π -Electron Delocalization in Linearly Extended [2.2]Paracyclophanes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 3095-3105	16.4	28
177	Polarization, second-order nonlinear optical properties and electrochromism in 4H-pyranylidene chromophores with a quinoid/aromatic thiophene ring bridge. <i>RSC Advances</i> , 2015 , 5, 231-242	3.7	28
176	Zethrene biradicals: how pro-aromaticity is expressed in the ground electronic state and in the lowest energy singlet, triplet, and ionic states. <i>Journal of Chemical Physics</i> , 2014 , 140, 054706	3.9	28
175	Inversion of Supramolecular Helicity in Oligo-p-phenylene-Based Supramolecular Polymers: Influence of Molecular Atropisomerism. <i>Angewandte Chemie</i> , 2014 , 126, 1397-1401	3.6	28
174	Incisive structure-spectroscopic correlation in oligothiophenes functionalized with (+/-) inductive/mesomeric fluorine groups: joint Raman and DFT study. <i>Journal of the American Chemical Society</i> , 2005 , 127, 13364-72	16.4	28
173	Combined Theoretical and Vibrational Study of Dihexylbithienoquinonoid Derivatives with Regioregular Head-to-Head, Head-to-Tail, and Tail-to-Tail Orientations. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 661-672	2.8	28
172	Comparison of thiophene-pyrrole oligomers with oligothiophenes: a joint experimental and theoretical investigation of their structural and spectroscopic properties. <i>Chemistry - A European Journal</i> , 2010 , 16, 6866-76	4.8	27
171	Stable Cross-Conjugated Tetrathiophene Diradical. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11291-11295	16.4	26
170	From linear to cyclic oligoparaphenylenes: electronic and molecular changes traced in the vibrational Raman spectra and reformulation of the bond length alternation pattern. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 11683-92	3.6	26
169	Phenyl- and Thienyl-Ended Symmetric Azomethines and Azines as Model Compounds for n-Channel Organic Field-Effect Transistors: An Electrochemical and Computational Study. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 3984-3993	3.8	26
168	Chameleon-like behaviour of cyclo[n]paraphenylenes in complexes with C70: on their impressive electronic and structural adaptability as probed by Raman spectroscopy. <i>Faraday Discussions</i> , 2014 , 173, 157-71	3.6	26

167	Quantum chemical DFT and spectroscopic study of a push-pull chromophore for second-order nonlinear optics containing bithiophene as the electron relay. <i>Computational and Theoretical Chemistry</i> , 2004 , 709, 187-193		26
166	An Unusually Small Singlet-Triplet Gap in a Quinoidal 1,6-Methano[10]annulene Resulting from Baird's 4n Electron Triplet Stabilization. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5888-93	16.4	25
165	Enantiopure, monodisperse alleno-acetylenic cyclooligomers: effect of symmetry and conformational flexibility on the chiroptical properties of carbon-rich compounds. <i>Chemistry - A European Journal</i> , 2011 , 17, 3876-85	4.8	25
164	A beta-naphthaleneimide-modified terthiophene exhibiting charge transfer and polarization through the short molecular axis. Joint spectroscopic and theoretical study. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 6732-40	2.8	25
163	Application of Raman spectroscopy and quantum chemistry for featuring the structure of positively charged species in macrocyclic π -conjugated diacetylene-bridged oligothiophenes. <i>Journal of Raman Spectroscopy</i> , 2004 , 35, 592-599	2.3	25
162	On the handedness of helical aggregates of C3 tricarboxamides: a multichiroptical characterization. <i>Chemical Communications</i> , 2015 , 51, 9781-4	5.8	24
161	Conformational Disorder and Mean Conjugation of Neutral β -Dimethyl End-Capped Oligothiophenes in Solution: A FT-Raman and FT-Infrared Spectroscopic Study. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 289-293		24
160	Tuning of electronic properties in thienyl-phosphole π -conjugated systems through P-functionalization monitored by Raman spectroscopy. <i>Chemistry - A European Journal</i> , 2006 , 12, 3759-67	4.8	24
159	Linear and Nonlinear Optical Properties of Pyridine-Based Octopolar Chromophores Designed for Chemical Sensing. Joint Spectroscopic and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 18778-18784	3.8	23
158	Hybrid organic semiconductors including chalcogen atoms in π -conjugated skeletons. Tuning of optical, redox, and vibrational properties by heavy atom conjugation. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 7422-30	2.8	23
157	Charge transport modulation in pseudorotaxane 1D stacks of acene and azaacene derivatives. <i>Chemical Science</i> , 2019 , 10, 2743-2749	9.4	22
156	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. <i>Angewandte Chemie</i> , 2014 , 126, 7153-7157	3.6	22
155	Chinoide/Aromatische Umwandlungen in π -konjugierten Oligomeren: Raman-Schwingungsspektroskopie an der Grenze zum π -Bindungsbruch. <i>Angewandte Chemie</i> , 2017 , 129, 2286-2296	3.6	22
154	Iron Alkynyl Helicenes: Redox-Triggered Chiroptical Tuning in the IR and Near-IR Spectral Regions and Suitable for Telecommunications Applications. <i>Angewandte Chemie</i> , 2016 , 128, 8194-8198	3.6	22
153	Operative Mechanism of Hole-Assisted Negative Charge Motion in Ground States of Radical-Anion Molecular Wires. <i>Journal of the American Chemical Society</i> , 2017 , 139, 686-692	16.4	21
152	Mode Robustness in Raman Optical Activity. <i>Journal of Chemical Theory and Computation</i> , 2014 , 10, 5520-74	7.4	21
151	Raman optical activity spectra and conformational elucidation of chiral drugs. The case of the antiangiogenic aeropylsinin-1. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 2752-5	2.8	21
150	Raman Detection of Ambiguous π -Conjugated Biradicals: Rapid Thermal Singlet-to-Triplet Intersystem Crossing in an Extended Viologen. <i>Angewandte Chemie</i> , 2008 , 120, 1465-1468	3.6	21

149	A Combined Spectroscopic and Theoretical Study of a Series of Aminomethyl End-Capped Oligothiophenes with Potential Applications in Thin Film Devices. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 735-740	2.8	21
148	The double exciton state of conjugated chromophores with strong diradical character: insights from TDDFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 24227-24238	3.6	21
147	Push-pull systems bearing a quinoid/aromatic thieno[3,2-b]thiophene moiety: synthesis, ground state polarization and second-order nonlinear properties. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 6338-49	3.9	20
146	Understanding optoelectronic properties of cyano-terminated oligothiophenes in the context of intramolecular charge transfer. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 10573-85	3.4	20
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