

# Juan Teodomiro LÃ³pez Navarrete

## List of Publications by Year in descending order

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263  
papers

9,452  
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36303

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54911

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263  
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263  
docs citations

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times ranked

9421  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer solar cells with enhanced fill factors. <i>Nature Photonics</i> , 2013, 7, 825-833.	31.4	887
2	Bithiopheneimide-Dithienosilole/Dithienogermole Copolymers for Efficient Solar Cells: Information from Structure-Property-Device Performance Correlations and Comparison to Thieno[3,4- <i>c</i> ]pyrrole-4,6-dione Analogues. <i>Journal of the American Chemical Society</i> , 2012, 134, 18427-18439.	13.7	257
3	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, 14913-14922.	13.7	256
4	A simple interpretation of the vibrational spectra of undoped, doped and photoexcited polyacetylene: Amplitude mode theory in the GF formalism. <i>Solid State Communications</i> , 1988, 65, 625-630.	1.9	221
5	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, 14513-14525.	13.7	218
6	(Semi)ladder-Type Bithiophene Imide-Based All-Acceptor Semiconductors: Synthesis, Structure-Property Correlations, and Unipolar n-Type Transistor Performance. <i>Journal of the American Chemical Society</i> , 2018, 140, 6095-6108.	13.7	178
7	Impact of Perfluorination on the Charge-Transport Parameters of Oligoacene Crystals. <i>Journal of the American Chemical Society</i> , 2009, 131, 1502-1512.	13.7	174
8	Pushing Extended <i>p</i> -Quinodimethanes to the Limit: Stable Tetracyano-oligo( <i>N</i> -annulated) Tj ETQq0 0 0 rgBT /Overlock 10 2013, 135, 6363-6371.	13.7	170
9	Microwave-assisted sidewall functionalization of single-wall carbon nanotubes by Diels-Alder cycloaddition. <i>Chemical Communications</i> , 2004, , 1734-1735.	4.1	149
10	On the Biradicaloid Nature of Long Quinoidal Oligothiophenes: Experimental Evidence Guided by Theoretical Studies. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9057-9061.	13.8	143
11	Tetrathiafulvalene Derivatives as NLO-phores: Synthesis, Electrochemistry, Raman Spectroscopy, Theoretical Calculations, and NLO Properties of Novel TTF-Derived Donor-Acceptor Dyads. <i>Journal of Organic Chemistry</i> , 2001, 66, 8872-8882.	3.2	127
12	Quinonoid Oligothiophenes as Electron-Donor and Electron-Acceptor Materials. A Spectroelectrochemical and Theoretical Study. <i>Journal of the American Chemical Society</i> , 2002, 124, 12380-12388.	13.7	109
13	Vibrational spectra of charged defects in a series of $\pm$ -dimethyl end-capped oligothiophenes induced by chemical doping with iodine. <i>Journal of Chemical Physics</i> , 1998, 109, 10419-10429.	3.0	107
14	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, 2524-2534.	13.7	106
15	High Yield Ultrafast Intramolecular Singlet Exciton Fission in a Quinoidal Bithiophene. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1375-1384.	4.6	106
16	Ladder-Type Heteroarenes: Up to 15 Rings with Five Imide Groups. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9924-9929.	13.8	105
17	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, 9350-9362.	13.7	98
18	Inversion of Supramolecular Helicity in Oligo-phenylene-Based Supramolecular Polymers: Influence of Molecular Atropisomerism. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1373-1377.	13.8	96

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19	Tuning First Molecular Hyperpolarizabilities through the Use of Proaromatic Spacers. <i>Journal of the American Chemical Society</i> , 2005, 127, 8835-8845.	13.7	95
20	Tetracyanoquaterylene and Tetracyanohexarylenequinodimethanes with Tunable Ground States and Strong Near-Infrared Absorption. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8561-8565.	13.8	94
21	Carbon-Bridged Oligo(phenylenevinylene)s: Stable $\pi$ -Systems with High Responsiveness to Doping and Excitation. <i>Journal of the American Chemical Society</i> , 2012, 134, 19254-19259.	13.7	87
22	Alkoxy-Functionalized Thienylene-Vinylene Polymers for Field-Effect Transistors and All-Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2014, 24, 2782-2793.	14.9	83
23	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, 5023-5039.	3.3	82
24	Structure-Property Relationships in Push-Pull Amino/Cyanovinyl End-Capped Oligothiophenes: A Quantum Chemical and Experimental Studies. <i>Journal of Organic Chemistry</i> , 2006, 71, 7509-7520.	3.2	81
25	Carbon dots obtained using hydrothermal treatment of formaldehyde. <i>Cell imaging in vitro. Nanoscale</i> , 2014, 6, 9071-9077.	5.6	79
26	Ab initio study of torsional potentials in 2,2'-bithiophene and 3,4'- and 3,3'-dimethyl-2,2'-bithiophene as models of the backbone flexibility in polythiophene and poly(3-methylthiophene). <i>Journal of Chemical Physics</i> , 1994, 101, 1369-1377.	3.0	78
27	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, 7033-7037.	13.8	77
28	Quinoidal Oligothiophenes: Towards Biradical Ground-State Species. <i>Chemistry - A European Journal</i> , 2010, 16, 470-484.	3.3	74
29	Ambipolar Organic Field-Effect Transistors from Cross-Conjugated Aromatic Quaterthiophenes; Comparisons with Quinoidal Parent Materials. <i>Advanced Functional Materials</i> , 2009, 19, 386-394.	14.9	71
30	A molecular viewpoint of lattice dynamics and spectra of conducting polymers. <i>Synthetic Metals</i> , 1989, 28, D359-D368.	3.9	69
31	FT-Raman Studies of Charged Defects Created on Methyl End-Capped Oligothiophenes by Doping with NOBF <sub>4</sub> . <i>Advanced Materials</i> , 1998, 10, 1458-1461.	21.0	68
32	Ir and Raman spectra of L-aspartic acid and isotopic derivatives. <i>Biopolymers</i> , 1994, 34, 1065-1077.	2.4	67
33	An interpretation of the vibrational spectra of insulating and electrically conducting poly(3-methylthiophene) aided by a theoretical dynamical model. <i>Journal of Chemical Physics</i> , 1994, 100, 114-129.	3.0	66
34	Combined Spectroscopic and Theoretical Study of Narrow Band Gap Heterocyclic Co-oligomers Containing Alternating Aromatic Donor and Quinoid Acceptor Units. <i>Journal of Physical Chemistry B</i> , 2004, 108, 2516-2526.	2.6	66
35	Aromatic/Proaromatic Donors in $\Delta$ -Cyanomethylenethiazole Merocyanines: From Neutral to Strongly Zwitterionic Nonlinear Optical Chromophores. <i>Chemistry - A European Journal</i> , 2011, 17, 826-838.	3.3	64
36	Efficiency of the $\pi$ conjugation in a novel family of $\beta$ , $\beta'$ -bisphenyl end-capped oligothiophenes by means of Raman spectroscopy. <i>Journal of Chemical Physics</i> , 2002, 116, 10419-10427.	3.0	63

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37	Experimental and Theoretical Study of the Infrared and Raman Spectra of a Substituted Sexithiophene in Five Oxidation States. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3597-3605.	2.6	63
38	Combined Spectroelectrochemical and Theoretical Study of a Vinylene-Bridged Sexithiophene Cooligomer: A Analysis of the $\pi$ -Electron Delocalization and of the Electronic Defects Generated upon Doping. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3872-3881.	2.6	63
39	Enhanced Functionality for Donor-Acceptor Oligothiophenes by means of Inclusion of BODIPY: Synthesis, Electrochemistry, Photophysics, and Model Chemistry. <i>Chemistry - A European Journal</i> , 2011, 17, 498-507.	3.3	63
40	Antiaromatic bisindeno-[n]thienoacenes with small singlet biradical characters: syntheses, structures and chain length dependent physical properties. <i>Chemical Science</i> , 2014, 5, 4490-4503.	7.4	62
41	The first synthesis of a conjugated hybrid of C60 fullerene and a single-wall carbon nanotube. <i>Carbon</i> , 2007, 45, 2250-2252.	10.3	60
42	Theoretical evaluation of the nature and strength of the F--F intermolecular interactions present in fluorinated hydrocarbons. <i>Theoretical Chemistry Accounts</i> , 2011, 128, 541-553.	1.4	58
43	Vibrational study of aspartic acid and glutamic acid dipeptides. <i>Journal of Molecular Structure</i> , 1995, 348, 249-252.	3.6	57
44	Vibrational and Quantum-Chemical Study of Push-Pull Chromophores for Second-Order Nonlinear Optics from Rigidified Thiophene-Based $\pi$ -Conjugating Spacers. <i>Chemistry - A European Journal</i> , 2003, 9, 3670-3682.	3.3	57
45	Exploration of Ground and Excited Electronic States of Aromatic and Quinoid S,S-Dioxide Terthiophenes. <i>Complementary Systems for Enhanced Electronic Organic Materials</i> . <i>Journal of the American Chemical Society</i> , 2006, 128, 10134-10144.	13.7	55
46	The Frontiers of Quinoidal Stability in Long Oligothiophenes: Raman Spectra of Dicationic Polaron Pairs. <i>Journal of the American Chemical Society</i> , 2011, 133, 16350-16353.	13.7	55
47	The unusual electronic structure of ambipolar dicyanovinyl-substituted diketopyrrolopyrrole derivatives. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6376.	5.5	55
48	Chain flexibility in polyheteroaromatic polymers part I. Electronic properties, structure and vibrational spectra of oligomers as models of polypyrrole and polythiophene. <i>Synthetic Metals</i> , 1990, 38, 299-312.	3.9	54
49	Synthesis and Doping of a Multifunctional Tetrathiafulvalene- Substituted Poly(isocyanide). <i>Macromolecules</i> , 2007, 40, 7521-7531.	4.8	54
50	Raman Detection of Ambiguous-Conjugated Biradicals: Rapid Thermal Singlet-Triplet Intersystem Crossing in an Extended Viologen. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1443-1446.	13.8	53
51	Electronic Modulation of Dithienothiophene (DTT) as $\pi$ -Center of D-D Chromophores on Optical and Redox Properties: A 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, 13363-13376.	13.7	52
52	Vibrational spectra of [1H4]pyrazine and [2H4]pyrazine. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1985, 81, 405.	1.1	51
53	Do [all]-S,S-Dioxide Oligothiophenes Show Electronic and Optical Properties of Oligoenes and/or of Oligothiophenes?. <i>Journal of the American Chemical Society</i> , 2010, 132, 6231-6242.	13.7	51
54	Lattice dynamics and vibrational spectra of pristine and doped polyconjugated polyfuran. <i>Journal of Chemical Physics</i> , 1993, 98, 769-783.	3.0	50

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55	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, 16616-16627.	2.6	48
56	Electronic, Optical, and Vibrational Properties of Bridged Dithienylethylene-Based NLO Chromophores. <i>Journal of Physical Chemistry C</i> , 2008, 112, 3109-3120.	3.1	48
57	Turning on the biradical state of tetracyano-perylene and quaterrylenequinodimethanes by incorporation of additional thiophene rings. <i>Chemical Science</i> , 2014, 5, 3072-3080.	7.4	48
58	Spectroscopic and Theoretical Study of the Molecular and Electronic Structures of a Terthiophene-Based Quinodimethane. <i>ChemPhysChem</i> , 2004, 5, 529-539.	2.1	46
59	Vibrational and Quantum-Chemical Study of Nonlinear Optical Chromophores Containing Dithienothiophene as the Electron Relay. <i>Chemistry - A European Journal</i> , 2004, 10, 3805-3816.	3.3	44
60	Planarization, Fusion, and Strain of Carbon-Bridged Phenylenevinylene Oligomers Enhance $\pi$ -Electron and Charge Conjugation: A Dissectional Vibrational Raman Study. <i>Journal of the American Chemical Society</i> , 2015, 137, 3834-3843.	13.7	44
61	Vibrational spectrum and internal rotation in 2-methylpyrazine. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1988, 84, 53-65.	1.1	43
62	Synthesis of the Smallest Axially Chiral Molecule by Asymmetric Carbon-Fluorine Bond Activation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2218-2220.	13.8	43
63	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.	2.6	42
64	Magnetic Properties of Quinoidal Oligothiophenes: More Than Good Candidates for Ambipolar Organic Semiconductors?. <i>Advanced Functional Materials</i> , 2006, 16, 531-536.	14.9	42
65	Oligothiophene Tetracyanobutadienes: Alternative Donor-Acceptor Architectures for Molecular and Polymeric Materials. <i>Chemistry of Materials</i> , 2011, 23, 823-831.	6.7	42
66	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.	2.6	41
67	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.	4.8	41
68	Spectroscopic and Theoretical Study of Push-Pull Chromophores Containing Thiophene-Based Quinonoid Structures as Electron Spacers. <i>Journal of Physical Chemistry B</i> , 2003, 107, 12175-12183.	2.6	40
69	Multidisciplinary Physicochemical Analysis of Oligothiophenes End-Capped by Nitriles: $\text{UV-Vis-NIR}$ , IR, and Raman Spectroscopies and Quantum Chemistry. <i>Journal of Physical Chemistry B</i> , 2005, 109, 10115-10125.	2.6	40
70	Hexaazatriphenylene (HAT) versus tri-HAT: The Bigger the Better?. <i>Chemistry - A European Journal</i> , 2011, 17, 10312-10322.	3.3	40
71	Self-Assembly Studies of a Chiral Bisurea-Based Superhydrogelator. <i>Chemistry - A European Journal</i> , 2012, 18, 14725-14731.	3.3	40
72	Combined Quantum Chemical Density Functional Theory and Spectroscopic Raman and $\text{UV-Vis-NIR}$ Study of Oligothiophenoacenes with Five and Seven Rings. <i>Journal of Physical Chemistry A</i> , 2006, 110, 5058-5065.	2.5	39

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73	Optical, Redox, and NLO Properties of Tricyanovinyl Oligothiophenes: Comparisons between Symmetric and Asymmetric Substitution Patterns. <i>Chemistry - A European Journal</i> , 2006, 12, 5458-5470.	3.3	37
74	$\hat{I}\pm$ -Oligofurans show a sizeable extent of $\hat{I}\epsilon$ -conjugation as probed by Raman spectroscopy. <i>Chemical Communications</i> , 2012, 48, 6732.	4.1	37
75	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, 12458-12467.	3.3	37
76	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, 4026-4035.	2.6	36
77	Raman Spectroscopy Shows Interchain through Space Charge Delocalization in a Mixed Valence Oligothiophene Cation and in Its $\hat{I}\epsilon$ -Dimeric Biradicaloid Dication. <i>Journal of the American Chemical Society</i> , 2008, 130, 14028-14029.	13.7	36
78	Molecular tuning in highly fluorescent dithieno[3,2-b:2',3'-d]pyrrole-based oligomers: effects of N-functionalization and terminal aryl unit. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 6101.	2.8	36
79	Influence of Processing Solvents on Optical Properties and Morphology of a Semicrystalline Low Bandgap Polymer in the Neutral and Charged States. <i>Macromolecules</i> , 2013, 46, 4924-4931.	4.8	36
80	Normal coordinate and rotational barrier calculations on 1,2-dihydroxybenzene. <i>Vibrational Spectroscopy</i> , 1993, 4, 321-334.	2.2	35
81	Force field and normal coordinate calculations for glutamic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1995, 51, 293-302.	3.9	35
82	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.	3.6	35
83	Vibrational Spectroscopic Study of a Series of $\hat{I}\pm$ -Diethyl End-Capped Oligothiophenes with Different Chain Lengths in the Neutral State. <i>Journal of Physical Chemistry A</i> , 1999, 103, 816-822.	2.5	34
84	Vibrational study of push-pull chromophores for second-order non-linear optics derived from rigidified thiophene $\hat{I}\epsilon$ -conjugating spacers. <i>Journal of Molecular Structure</i> , 2003, 651-653, 151-158.	3.6	34
85	Resonance Raman and FTIR spectra of pristine and doped polyconjugated polyfuran. <i>Chemical Physics Letters</i> , 1992, 191, 419-422.	2.6	33
86	Delocalization-to-Localization Charge Transition in Diferrocenyl-Oligothiophenylene-Vinylene Molecular Wires as a Function of the Size by Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2012, 134, 5675-5681.	13.7	33
87	Evidence for Multicenter Bonding in Dianionic Tetracyanoethylene Dimers by Raman Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6421-6425.	13.8	33
88	Magnetic and Conductive Properties of Quinoidal Oligothiophenes. <i>Chemistry of Materials</i> , 2006, 18, 1539-1545.	6.7	32
89	Thiophene- and Selenophene-Based Heteroacenes: Combined Quantum Chemical DFT and Spectroscopic Raman and UV-Vis-NIR Study. <i>Journal of Physical Chemistry B</i> , 2007, 111, 7488-7496.	2.6	32
90	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.	4.6	32

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91	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.	2.5	31
92	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, 19198-19206.	2.6	31
93	Relation between effective conjugation, vibrational force constants and electronic properties in polyconjugated materials. <i>Solid State Communications</i> , 1990, 74, 199-202.	1.9	30
94	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.	2.5	30
95	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.	3.1	30
96	Chameleon-like behaviour of cyclo[n]paraphenylenes in complexes with C <sub>70</sub> : on their impressive electronic and structural adaptability as probed by Raman spectroscopy. <i>Faraday Discussions</i> , 2014, 173, 157-171.	3.2	30
97	Incisive Structure Spectroscopic Correlation in Oligothiophenes Functionalized with (Å±) Inductive/Mesomeric Fluorine Groups: A Joint Raman and DFT Study. <i>Journal of the American Chemical Society</i> , 2005, 127, 13364-13372.	13.7	29
98	Structural and spectroscopical study of glutamic acid in the nonzwitterionic form. <i>Computational and Theoretical Chemistry</i> , 1995, 330, 261-266.	1.5	28
99	Raman and Theoretical Study of the Solvent Effects on the Sizable Intramolecular Charge Transfer in the Push-Pull 5-(Dimethylamino)-5-nitro-2,2-bithiophene. <i>Journal of Physical Chemistry A</i> , 2005, 109, 8724-8731.	2.5	28
100	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.	3.0	28
101	Force field for in-plane vibrations of pyrazine. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1986, 42, 1343-1348.	0.1	27
102	Conformational Disorder and Mean Conjugation of Neutral Î±,Î±'-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.	2.9	27
103	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.	1.5	27
104	A Î²-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, 6732-6740.	2.5	27
105	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, 6866-6876.	3.3	27
106	Symmetry Lowering in Triindoles: Impact on the Electronic and Photophysical Properties. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5470-5477.	3.1	27
107	Transferable semiempirical quadratic force fields: The case of polythiophene and shorter oligomers. <i>Journal of Computational Chemistry</i> , 1994, 15, 405-423.	3.3	26
108	Vibrational spectroscopic study of 5,5-bis(dicyanomethylene)-5,5-dihydro-2,2,5,2-terthiophene bearing a heteroquinonoid structure as a model of doped polythiophene. <i>Journal of Chemical Physics</i> , 1998, 109, 2543-2548.	3.0	26

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109	Tuning of Electronic Properties in Thienyl-Phosphole ĩ-Conjugated Systems through P-Functionalization Monitored by Raman Spectroscopy. <i>Chemistry - A European Journal</i> , 2006, 12, 3759-3767.	3.3	26
110	Ultrafast and High-Contrast Electrochromism on Bendable Transparent Carbon Nanotube Electrodes. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1367-1371.	4.6	26
111	On the handedness of helical aggregates of C<sub>3</sub> tricarboxamides: a multichiroptical characterization. <i>Chemical Communications</i> , 2015, 51, 9781-9784.	4.1	26
112	Application of Raman spectroscopy and quantum chemistry for featuring the structure of positively charged species in macrocyclic ĩ-conjugated diacetylene-bridged oligothiophenes. <i>Journal of Raman Spectroscopy</i> , 2004, 35, 592-599.	2.5	25
113	Hybrid Organic Semiconductors Including Chalcogen Atoms in ĩ-Conjugated Skeletons. Tuning of Optical, Redox, and Vibrational Properties by Heavy Atom Conjugation. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7422-7430.	2.5	25
114	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.	3.1	25
115	Neutral and Oxidized Triisopropylsilyl End-Capped Oligothienoacenes: A Combined Electrochemical, Spectroscopic, and Theoretical Study. <i>Chemistry - A European Journal</i> , 2010, 16, 5481-5491.	3.3	25
116	Enantiopure, Monodisperse Allenolacetylenic Cyclooligomers: Effect of Symmetry and Conformational Flexibility on the Chiroptical Properties of Carbon-Rich Compounds. <i>Chemistry - A European Journal</i> , 2011, 17, 3876-3885.	3.3	25
117	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.	2.8	25
118	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.	2.5	24
119	Combined Raman and Computational Study of a Novel Series of Macrocyclic ĩ-Conjugated Diacetylene-Bridged ĩ-Linked Oligothiophenes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3158-3167.	2.6	24
120	Infrared and Raman spectra of a new radical cation charged defect created on a well-barrier-well thiophene-based oligomer. <i>Journal of Raman Spectroscopy</i> , 2000, 31, 565-570.	2.5	23
121	Understanding Optoelectronic Properties of Cyano-Terminated Oligothiophenes in the Context of Intramolecular Charge Transfer. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10573-10585.	2.6	23
122	Mode Robustness in Raman Optical Activity. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 5520-5527.	5.3	23
123			



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127	Vibrational Circular Dichroism Shows Reversible Helical Handedness Switching in Peptidomimetic L-Valine Fibrils. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2120-2124.	4.6	21
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