Juan Teodomiro LÃ³pez Navarrete

List of Publications by Year
in descending order

263	9,452	36303	54911
papers	citations	51 h-index	84 g-index

263	263	263	9421
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Backbone Configuration and Electronic Property Tuning of Imideâ€Functionalized Ladderâ€Type Heteroarenesâ€Based Polymer Acceptors for Efficient Allâ€Polymer Solar Cells. Advanced Functional Materials, 2022, 32, .	14.9	12
2	Poly(3-hexylthiophene-2.5-diyl): Evidence of different polymer chain conformations in the solid state from a combined study of regioregularity control and Raman spectroscopy. Journal of Molecular Structure, 2020, 1221, 128882.	3.6	4
3	Fluorene-Based Donor-Acceptor Copolymers Containing Functionalized Benzotriazole Units: Tunable Emission and their Electrical Properties. Polymers, 2020, 12, 256.	4.5	6
4	Effect of the Linkage Position on the Conjugation Length of Truxene-Based Porous Polymers: Implications for Their Sensing Performance of Nitroaromatics. Chemistry of Materials, 2019, 31, 6971-6978.	6.7	21
5	(Semi)ladder-Type Bithiophene Imide-Based All-Acceptor Semiconductors: Synthesis, Structureâ€“Property Correlations, and Unipolar n-Type Transistor Performance. Journal of the American Chemical Society, 2018, 140, 6095-6108.	13.7	178
6	Infrared and multiâ€wavelength Raman spectroscopy of regioâ€regular P3HT and its deutero derivatives. Journal of Raman Spectroscopy, 2018, 49, 569-580.	2.5	16
7	Ladderâ€type Heteroarenes: Up to 15 Rings with Five Imide Groups. Angewandte Chemie - International Edition, 2017, 56, 9924-9929.	13.8	105
8	Functionalized branched EDOT-terthiophene copolymer films by electropolymerization and post-polymerization â€œclickâ€•reactions. Beilstein Journal of Organic Chemistry, 2015, 11, 335-347.	2.2	15
9	Robust Ethylenedioxythiopheneâ€“Vinylene Oligomers from Fragile Thiopheneâ€“Vinylene Cores: Synthesis and Optical, Chemical and Electrochemical Properties of Multicharged Shapes. Chemistry - A European Journal, 2015, 21, 1713-1725.	3.3	13
10	High Yield Ultrafast Intramolecular Singlet Exciton Fission in a Quinoidal Bithiophene. Journal of Physical Chemistry Letters, 2015, 6, 1375-1384.	4.6	106
11	On the handedness of helical aggregates of C₃ tricarboxamides: a multichiroptical characterization. Chemical Communications, 2015, 51, 9781-9784.	4.1	26
12	Triindole-Bridge-Triindole Dimers as Models for Two Dimensional Microporous Polymers. Organic Letters, 2015, 17, 2258-2261.	4.6	18
13	Planarization, Fusion, and Strain of Carbon-Bridged Phenylenevinylene Oligomers Enhance Ï€-Electron and Charge Conjugation: A Dissectional Vibrational Raman Study. Journal of the American Chemical Society, 2015, 137, 3834-3843.	13.7	44
14	Understanding the Origin of the VCD Signals on the Basis of a Nonredundant Coordinate Definition. Journal of Chemical Theory and Computation, 2015, 11, 2633-2641.	5.3	2
15	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.	3.6	35
16	Combined Raman spectroscopic and Rietveld analyses as a useful and nondestructive approach to studying flint raw materials at prehistoric archaeological sites. Archaeological and Anthropological Sciences, 2015, 7, 235-243.	1.8	11
17	A combined MD/QM and experimental exploration of conformational richness in branched oligothiophenes. Physical Chemistry Chemical Physics, 2014, 16, 24841-24852.	2.8	13
18	Branched polythiophenes by Ni-catalyzed Kumada coupling. Polymer Chemistry, 2014, 5, 6824-6833.	3.9	10

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19	Mode Robustness in Raman Optical Activity. Journal of Chemical Theory and Computation, 2014, 10, 5520-5527.	5.3	23
20	Multistep Ï€ Dimerization of Tetrakis(nâ€decyl)heptathienoacene Radical Cations: A Combined Experimental and Theoretical Study. Chemistry - A European Journal, 2014, 20, 10351-10359.	3.3	12
21	Raman Spectroscopic Characterization of Polyselenophenes and Poly(3,4â€ethylenenedioxyselenophene)s. Israel Journal of Chemistry, 2014, 54, 759-766.	2.3	8
22	Alkoxyâ€Functionalized Thienylâ€Vinylene Polymers for Fieldâ€Effect Transistors and Allâ€Polymer Solar Cells. Advanced Functional Materials, 2014, 24, 2782-2793.	14.9	83
23	Properties of Sizeable [n]Cycloparaphenylenes as Molecular Models of Singleâ€Wall Carbon Nanotubes Elucidated by Raman Spectroscopy: Structural and Electronâ€Transfer Responses under Mechanical Stress. Angewandte Chemie - International Edition, 2014, 53, 7033-7037.	13.8	77
24	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.	3.1	2
25	Diradicals acting through diamagnetic phenylene vinylene bridges: Raman spectroscopy as a probe to characterize spin delocalization. Journal of Chemical Physics, 2014, 140, 164903.	3.0	6
26	Antiaromatic bisindeno-[n]thienoacenes with small singlet biradical characters: syntheses, structures and chain length dependent physical properties. Chemical Science, 2014, 5, 4490-4503.	7.4	62
27	Unfolding Pathway of a Globular Protein by Surfactants Monitored with Raman Optical Activity. Journal of Physical Chemistry Letters, 2014, 5, 8-13.	4.6	9
28	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.	3.0	28
29	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.	3.1	30
30	Carbon dots obtained using hydrothermal treatment of formaldehyde. Cell imaging in vitro. Nanoscale, 2014, 6, 9071-9077.	5.6	79
31	Symmetry Lowering in Triindoles: Impact on the Electronic and Photophysical Properties. Journal of Physical Chemistry C, 2014, 118, 5470-5477.	3.1	27
32	Turning on the biradical state of tetracyano-perylene and quaterrylenequinodimethanes by incorporation of additional thiophene rings. Chemical Science, 2014, 5, 3072-3080.	7.4	48
33	Inversion of Supramolecular Helicity in Oligoâ€pâ€phenyleneâ€Based Supramolecular Polymers: Influence of Molecular Atropisomerism. Angewandte Chemie - International Edition, 2014, 53, 1373-1377.	13.8	96
34	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, 157-171.	3.2	30
35	The unusual electronic structure of ambipolar dicyanovinyl-substituted diketopyrrolopyrrole derivatives. Journal of Materials Chemistry C, 2014, 2, 6376.	5.5	55
36	Tetracyanoquaterrylene and Tetracyanohexarylenequinodimethanes with Tunable Ground States and Strong Nearâ€Infrared Absorption. Angewandte Chemie - International Edition, 2013, 52, 8561-8565.	13.8	94

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37	Molecular and Electronicâ€Structure Basis of the Ambipolar Behavior of Naphthalimideâ€“Terthiophene Derivatives: Implementation in Organic Fieldâ€Effect Transistors. Chemistry - A European Journal, 2013, 19, 12458-12467.	3.3	37
38	Pushâ€“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.	2.8	25
39	Polymer solar cells with enhanced fill factors. Nature Photonics, 2013, 7, 825-833.	31.4	887
40	Interpretation of the infrared and Raman spectra of zwitterionic pushâ€“pull dyes based on quinoidal thiazole. Journal of Molecular Structure, 2013, 1044, 55-60.	3.6	2
41	Novel Thiopheneâ€“Phenyleneâ€“Thiophene Fused Bislactam-Based Donorâ€“Acceptor Type Conjugate Polymers: Synthesis by Direct Arylation and Properties. Macromolecules, 2013, 46, 9220-9230.	4.8	41
42	Radical cations of end-capped tetrathienoacenes and their Ï€-dimerization controlled by the nature of Î±-substituents and counterion concentration. RSC Advances, 2013, 3, 25644.	3.6	9
43	The first chiral Raman spectrum report of a protein: a perspective of 20 years. Chemical Communications, 2013, 49, 8893.	4.1	8
44	Designing new symmetrical facial oligothiophene amphiphiles. Organic and Biomolecular Chemistry, 2013, 11, 8435.	2.8	7
45	Impact of the Synergistic Collaboration of Oligothiophene Bridges and Ruthenium Complexes on the Optical Properties of Dumbbellâ€Shaped Compounds. Chemistry - A European Journal, 2013, 19, 1476-1488.	3.3	9
46	Evidence for Multicenter Bonding in Dianionic Tetracyanoethylene Dimers by Raman Spectroscopy. Angewandte Chemie - International Edition, 2013, 52, 6421-6425.	13.8	33
47	Influence of Processing Solvents on Optical Properties and Morphology of a Semicrystalline Low Bandgap Polymer in the Neutral and Charged States. Macromolecules, 2013, 46, 4924-4931.	4.8	36
48	Pushing Extended p-Quinodimethanes to the Limit: Stable Tetracyano-oligo(N-annulated) Tj ETQq0 0 0 rgBT /Overlock 10 T 2013, 135, 6363-6371.	13.7	170
49	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.	7.3	11
50	Thermomagnetic Molecular System Based on TTF-PTM Radical: Switching the Spin and Charge Delocalization. Journal of Physical Chemistry Letters, 2013, 4, 2721-2726.	4.6	32
51	Electropolymerized Three-Dimensional Randomly Branched EDOT-Containing Copolymers. Langmuir, 2013, 29, 15463-15473.	3.5	21
52	Linear and Nonlinear Optical Properties of Ramified Hexaazatriphenylenes: Charge Transfer Contributions to the Octupolar Response. Journal of Physical Chemistry C, 2013, 117, 626-632.	3.1	18
53	Interplay of Î±,Î±â€•versus Î±,Î²â€Conjugation in the Excited States and Charged Defects of Branched Oligothiophenes as Models for Dendrimeric Materials. Chemistry - A European Journal, 2013, 19, 17165-17171.	3.3	8
54	Carbon-Bridged Oligo(phenylenevinylene)s: Stable Ï€-Systems with High Responsiveness to Doping and Excitation. Journal of the American Chemical Society, 2012, 134, 19254-19259.	13.7	87

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55	Carbonylâ€Functionalized Quaterthiophenes: A Study of the Vibrational Raman and Electronic Absorption/Emission Properties Guided by Theoretical Calculations. ChemPhysChem, 2012, 13, 168-176.	2.1	8
56	Molecular tuning in highly fluorescent dithieno[3,2-b:2â€²,3â€²-d]pyrrole-based oligomers: effects of N-functionalization and terminal aryl unit. Physical Chemistry Chemical Physics, 2012, 14, 6101.	2.8	36
57	Kinetically Blocked Stable Heptazethrene and Octazethrene: Closed-Shell or Open-Shell in the Ground State?. Journal of the American Chemical Society, 2012, 134, 14913-14922.	13.7	256
58	Vibrational Circular Dichroism Shows Reversible Helical Handedness Switching in Peptidomimetic l-Valine Fibrils. Journal of Physical Chemistry Letters, 2012, 3, 2120-2124.	4.6	21
59	Delocalization-to-Localization Charge Transition in Diferrocenyl-Oligothienylene-Vinylene Molecular Wires as a Function of the Size by Raman Spectroscopy. Journal of the American Chemical Society, 2012, 134, 5675-5681.	13.7	33
60	Stable Tetrabenzo-Chichibabinâ€™s Hydrocarbons: Tunable Ground State and Unusual Transition between Their Closed-Shell and Open-Shell Resonance Forms. Journal of the American Chemical Society, 2012, 134, 14513-14525.	13.7	218
61	Organic Materials in the Undergraduate Laboratory: Microscale Synthesis and Investigation of a Donorâ€“Acceptor Molecule. Journal of Chemical Education, 2012, 89, 1461-1465.	2.3	12
62	Selfâ€Assembly Studies of a Chiral Bisureaâ€Based Superhydrogelator. Chemistry - A European Journal, 2012, 18, 14725-14731.	3.3	40
63	Conformational Control of the Electronic Properties of an Î±â€Î² Terthiophene: Lessons from a Precursor Towards Dendritic Hyperbranched Oligoâ€and Polyâ€Thiophenes. ChemPhysChem, 2012, 13, 3893-3900.	2.1	11
64	Bithiopheneimideâ€“Dithienosilole/Dithienogermole Copolymers for Efficient Solar Cells: Information from Structureâ€“Propertyâ€“Device Performance Correlations and Comparison to Thieno[3,4-c]pyrrole-4,6-dione Analogues. Journal of the American Chemical Society, 2012, 134, 18427-18439.	13.7	257
65	Î±-Oligofurans show a sizeable extent of Ï€-conjugation as probed by Raman spectroscopy. Chemical Communications, 2012, 48, 6732.	4.1	37
66	Electronic and vibrational circular dichroism spectroscopies for the understanding of chiral organization in porphyrin aggregates. Chemical Communications, 2012, 48, 9147.	4.1	16
67	Controlling the Macroscopic Chirality of Organic Materials Based on 1,3,5â€Trialkynylbenzenes. European Journal of Organic Chemistry, 2012, 2012, 1577-1582.	2.4	5
68	Synthesis of the Smallest Axially Chiral Molecule by Asymmetric Carbonâ€“Fluorine Bond Activation. Angewandte Chemie - International Edition, 2012, 51, 2218-2220.	13.8	43
69	Substituent and counterion effects on the formation of Ï€-dimer dications of end-capped heptathienoacenes. Chemical Communications, 2011, 47, 12622.	4.1	14
70	Oligothiophene Tetracyanobutadienes: Alternative Donorâ€“Acceptor Architectures for Molecular and Polymeric Materials. Chemistry of Materials, 2011, 23, 823-831.	6.7	42
71	Raman Optical Activity Spectra and Conformational Elucidation of Chiral Drugs. The Case of the Antiangiogenic Aeroplysinin-1. Journal of Physical Chemistry A, 2011, 115, 2752-2755.	2.5	22
72	Two-Photon Mediated Three-Photon Fluorescence: Lessons from a Quinoidal Oligothiophene Dimer. Journal of Physical Chemistry Letters, 2011, 2, 2179-2183.	4.6	13

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73	The Frontiers of Quinoidal Stability in Long Oligothiophenes: Raman Spectra of Dicationic Polaron Pairs. Journal of the American Chemical Society, 2011, 133, 16350-16353.	13.7	55
74	Understanding Optoelectronic Properties of Cyano-Terminated Oligothiophenes in the Context of Intramolecular Charge Transfer. Journal of Physical Chemistry B, 2011, 115, 10573-10585.	2.6	23
75	Ï€-conjugation and charge polarization in fluorene-dibenzothiophene-S,S-dioxide co-oligomers by Raman spectroscopy and quantum chemistry. Journal of Chemical Physics, 2011, 134, 044520.	3.0	13
76	On the Origin of the Chiro-Optical Activity in Supramolecular Assemblies: A Quantum Chemical Study of C₃ Octopolar Systems. Journal of Chemical Theory and Computation, 2011, 7, 3314-3322.	5.3	5
77	Functionalized pentacenes: a combined theoretical, Raman and UVâ€“Vis spectroscopic study. Theoretical Chemistry Accounts, 2011, 128, 521-530.	1.4	22
78	Theoretical evaluation of the nature and strength of the FÂ·Â·Â·F intermolecular interactions present in fluorinated hydrocarbons. Theoretical Chemistry Accounts, 2011, 128, 541-553.	1.4	58
79	The longest quinoidal oligothiophene: A Raman story. Chemical Record, 2011, 11, 45-53.	5.8	20
80	Enhanced Functionality for Donorâ€“Acceptor Oligothiophenes by means of Inclusion of BODIPY: Synthesis, Electrochemistry, Photophysics, and Model Chemistry. Chemistry - A European Journal, 2011, 17, 498-507.	3.3	63
81	Aromatic/Proaromatic Donors in 2â€Dicyanomethylenethiazole Merocyanines: From Neutral to Strongly Zwitterionic Nonlinear Optical Chromophores. Chemistry - A European Journal, 2011, 17, 826-838.	3.3	64
82	Enantiopure, Monodisperse Allenoâ€acetylenic Cyclooligomers: Effect of Symmetry and Conformational Flexibility on the Chiroptical Properties of Carbonâ€Rich Compounds. Chemistry - A European Journal, 2011, 17, 3876-3885.	3.3	25
83	Hexaazatriphenylene (HAT) versus triâ€HAT: The Bigger the Better?. Chemistry - A European Journal, 2011, 17, 10312-10322.	3.3	40
84	Diferrocenyl oligothiophene wires: Raman and quantum chemical study of valence-trapped cations. Journal of Chemical Physics, 2011, 135, 234705.	3.0	2
85	Quinoidal Oligothiophenes: Towards Biradical Groundâ€State Species. Chemistry - A European Journal, 2010, 16, 470-484.	3.3	74
86	Neutral and Oxidized Triisopropylsilyl Endâ€Capped Oligothienoacenes: A Combined Electrochemical, Spectroscopic, and Theoretical Study. Chemistry - A European Journal, 2010, 16, 5481-5491.	3.3	25
87	Comparison of Thiopheneâ€“Pyrrole Oligomers with Oligothiophenes: A Joint Experimental and Theoretical Investigation of Their Structural and Spectroscopic Properties. Chemistry - A European Journal, 2010, 16, 6866-6876.	3.3	27
88	Optical absorption and emission properties of end-capped oligothienoacenes: A joint theoretical and experimental study. Organic Electronics, 2010, 11, 1701-1712.	2.6	19
89	Mesomeric betaine chemistry in solution: Solvent effect on the structure and spectra of uracilylâ€“pyridinium betaine. Chemical Physics, 2010, 371, 1-9.	1.9	3
90	Raman Spectra and Quantum Chemistry Calculations of Fluorene-Dibenzothiophene-S,S- dioxide Oligomers. , 2010, , .		0

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91	Ultrafast and High-Contrast Electrochromism on Bendable Transparent Carbon Nanotube Electrodes. Journal of Physical Chemistry Letters, 2010, 1, 1367-1371.	4.6	26
92	Do [all]-S,Sâ€²-Dioxide Oligothiophenes Show Electronic and Optical Properties of Oligoenes and/or of Oligothiophenes?. Journal of the American Chemical Society, 2010, 132, 6231-6242.	13.7	51
93	SEIRA and SERS Effects in Cyclopentabithiophenethiol-Capped Gold Nanoparticles. Journal of Physical Chemistry C, 2010, 114, 12900-12904.	3.1	11
94	Tuning the Supramolecular Chirality of One- and Two-Dimensional Aggregates with the Number of Stereogenic Centers in the Component Porphyrins. Journal of the American Chemical Society, 2010, 132, 9350-9362.	13.7	98
95	Aggregation Behavior of a Conjugated C₃-Symmetric Molecule: A Description Based on Chiro-Optical Experimental and Theoretical Spectroscopies. Journal of Physical Chemistry B, 2010, 114, 5710-5717.	2.6	7
96	Ambipolar Organic Fieldâ€Effect Transistors from Crossâ€Conjugated Aromatic Quaterthiophenes; Comparisons with Quinoidal Parent Materials. Advanced Functional Materials, 2009, 19, 386-394.	14.9	71
97	Ferrocenylâ€Ended Thienoâ€“Vinylene Oligomers: Donorâ€“Acceptor Polarization and Mixedâ€Valence Properties with Emphasis on the Raman Mapping of Localizedâ€toâ€Delocalized Transitions. Chemistry - A European Journal, 2009, 15, 2548-2559.	3.3	19
98	Thiopheneâ€“Diazine Molecular Semiconductors: Synthesis, Structural, Electrochemical, Optical, and Electronic Structural Properties; Implementation in Organic Fieldâ€Effect Transistors. Chemistry - A European Journal, 2009, 15, 5023-5039.	3.3	82
99	Oxidation of Endâ€Capped Pentathienoacenes and Characterization of Their Radical Cations. Chemistry - A European Journal, 2009, 15, 12346-12361.	3.3	17
100	Synthesis, Spectroscopy, Nonlinear Optics, and Theoretical Investigations of Thienylethynyl Octopoles with a Tunable Core. Chemistry - A European Journal, 2009, 15, 8223-8234.	3.3	14
101	Electronic Studies on Oligothienylenevinylenes: Understanding the Nature of Their Ground and Excited Electronic States. ChemPhysChem, 2009, 10, 1901-1910.	2.1	6
102	FT Raman and DFT Study on a Series of Allâ€anti Oligothienoacenes Endâ€Capped with Triisopropylsilyl Groups. ChemPhysChem, 2009, 10, 3069-3076.	2.1	11
103	A Raman approach to pseudo-cross-conjugation in mesomeric betaines. Journal of Raman Spectroscopy, 2009, 40, 238-239.	2.5	5
104	Sensing properties of organised films based on a bithiophene derivative. Sensors and Actuators B: Chemical, 2009, 141, 625-633.	7.8	11
105	Impact of Perfluorination on the Charge-Transport Parameters of Oligoacene Crystals. Journal of the American Chemical Society, 2009, 131, 1502-1512.	13.7	174
106	Quantum mechanical study and vibrational spectra of indazolium-3-carboxylate and its decarboxylation product, the N-heterocyclic carbene indazol-3-ylidene. Physical Chemistry Chemical Physics, 2009, 11, 341-348.	2.8	5
107	Effect of ring fusion on the amplified spontaneous emission properties of oligothiophenes. Journal of Materials Chemistry, 2009, 19, 6556.	6.7	17
108	Raman Detection of â€œAmbiguousâ€•Conjugated Biradicals: Rapid Thermal Singletâ€toâ€Triplet Intersystem Crossing in an Extended Viologen. Angewandte Chemie - International Edition, 2008, 47, 1443-1446.	13.8	53

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109	A Î²-Naphthaleneimide-Modified Terthiophene Exhibiting Charge Transfer and Polarization Through the Short Molecular Axis. Joint Spectroscopic and Theoretical Study. Journal of Physical Chemistry A, 2008, 112, 6732-6740.	2.5	27
110	Raman Spectroscopy Shows Interchain through Space Charge Delocalization in a Mixed Valence Oligothiophene Cation and in Its Ï€-Dimeric Biradicaloid Dication. Journal of the American Chemical Society, 2008, 130, 14028-14029.	13.7	36
111	Electronic, Optical, and Vibrational Properties of Bridged Dithienylethylene-Based NLO Chromophores. Journal of Physical Chemistry C, 2008, 112, 3109-3120.	3.1	48
112	Electrochemical, Magnetic, and Electrical Properties of Î±,Ï‰-Capped Sexithiophene Films. Part 3. Conduction in Poly(bis-terthienyl-B)s (B = Ethane, Disulfide, Diacetylene, Acetylene, Ethylene). Chemistry of Materials, 2008, 20, 6847-6856.	6.7	12
113	Vibrational fingerprint of the structural tuning in push-pull organic chromophores with quinoid or proaromatic spacers. Journal of Chemical Physics, 2007, 126, 074701.	3.0	7
114	Theoretical understanding of the increment of Î² upon protonation of pyridine peripheral octupolar molecules: Toward nonlinear optical sensors. Journal of Chemical Physics, 2007, 127, 164704.	3.0	11
115	NLO properties of dithienothiophene-based chromophores: a comparison study between the donor/donor and donor/acceptor substitution patterns. , 2007, , .		1
116	Tetrathiafulvalene-Based Materials for Organic Field Effect Transistors. Inspection of Their Semiconductor Properties by Means of Molecular Spectroscopy and Quantum Chemistry. Journal of Physical Chemistry C, 2007, 111, 10110-10118.	3.1	20
117	Linear and Nonlinear Optical Properties of Pyridine-Based Octopolar Chromophores Designed for Chemical Sensing. Joint Spectroscopic and Theoretical Study. Journal of Physical Chemistry C, 2007, 111, 18778-18784.	3.1	25
118	Thiophene- and Selenophene-Based Heteroacenes:â€‰ Combined Quantum Chemical DFT and Spectroscopic Raman and UVâ^'Visâ^'NIR Study. Journal of Physical Chemistry B, 2007, 111, 7488-7496.	2.6	32
119	Synthesis and Doping of a Multifunctional Tetrathiafulvalene- Substituted Poly(isocyanide). Macromolecules, 2007, 40, 7521-7531.	4.8	54
120	Pushâ^'Pull Bithienyl Chromophore with an Unusual Transverse Path of Conjugation. Journal of Physical Chemistry A, 2007, 111, 841-851.	2.5	5
121	Electronic and Molecular Structures of Trigonal Truxene-Core Systems Conjugated to Peripheral Fluorene Branches. Spectroscopic and Theoretical Study. Journal of Physical Chemistry B, 2007, 111, 4026-4035.	2.6	36
122	Helically Annelated and Cross-Conjugated Î²-Oligothiophenes:Â A Fourier Transform Raman Spectroscopic and Quantum Chemical Density Functional Theory Study. Journal of Physical Chemistry C, 2007, 111, 4854-4860.	3.1	14
123	On the Biradicaloid Nature of Long Quinoidal Oligothiophenes: Experimental Evidence Guided by Theoretical Studies. Angewandte Chemie - International Edition, 2007, 46, 9057-9061.	13.8	143
124	Fourier Transform Raman and DFT Study of Three Annulated Oligothiophenes with Different Molecular Shapes. ChemPhysChem, 2007, 8, 745-750.	2.1	6
125	The first synthesis of a conjugated hybrid of C60â€“fullerene and a single-wall carbon nanotube. Carbon, 2007, 45, 2250-2252.	10.3	60
126	Vibrational spectra of oligothienyl-vinylenes with donor-Ï€-donor and donor-Ï€-acceptor substitution patterns. Journal of Molecular Structure, 2007, 834-836, 374-379.	3.6	1

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127	Vibrational spectra of nonlinear optical chromophores based on octopolar C3-symmetric 1,3,5 trisalkynylbenzenes. Journal of Molecular Structure, 2007, 834-836, 369-373.	3.6	2
128	Electronic spectroscopy study and molecular docking simulation of the interaction of terthiophene with DNA. Journal of Molecular Structure, 2007, 834-836, 176-181.	3.6	4
129	Oligothiophene- and Oligopyrrole-Mediated Aggregation of Gold Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 5886-5892.	3.1	18
130	Structureâ^'Property Relationships in Pushâ^'Pull Amino/Cyanovinyl End-Capped Oligothiophenes:Â Quantum Chemical and Experimental Studies. Journal of Organic Chemistry, 2006, 71, 7509-7520.	3.2	81
131	Octopolar Chromophores Based on Donor- and Acceptor-Substituted 1,3,5-Tris(phenylethynyl)benzenes:â€‰ Impact of meta-Conjugation on the Molecular and Electronic Structure by Means of Spectroscopy and Theory. Journal of Physical Chemistry B, 2006, 110, 19198-19206.	2.6	31
132	Combined Quantum Chemical Density Functional Theory and Spectroscopic Raman and UVâ^'visâ^'NIR Study of Oligothienoacenes with Five and Seven Rings. Journal of Physical Chemistry A, 2006, 110, 5058-5065.	2.5	39
133	Exploration of Ground and Excited Electronic States of Aromatic and QuinoidS,S-Dioxide Terthiophenes. Complementary Systems for Enhanced Electronic Organic Materials. Journal of the American Chemical Society, 2006, 128, 10134-10144.	13.7	55
134	Magnetic and Conductive Properties of Quinoidal Oligothiophenes. Chemistry of Materials, 2006, 18, 1539-1545.	6.7	32
135	Hybrid Organic Semiconductors Including Chalcogen Atoms in Ï€-Conjugated Skeletons. Tuning of Optical, Redox, and Vibrational Properties by Heavy Atom Conjugation. Journal of Physical Chemistry A, 2006, 110, 7422-7430.	2.5	25
136	Perfluorination of tetracene: effects on the optical gap and electron-acceptor properties. An electrochemical, theoretical DFT, and Raman spectroscopic study. , 2006, , .		3
137	Regioselective hydroxylation of phenols by simultaneous photochemical generation of phenol cation-radical and hydroxyl radical. Tetrahedron, 2006, 62, 2927-2935.	1.9	15
138	Tuning of Electronic Properties in Thienyl-Phosphole Ï€-Conjugated Systems through P-Functionalization Monitored by Raman Spectroscopy. Chemistry - A European Journal, 2006, 12, 3759-3767.	3.3	26
139	Optical, Redox, and NLO Properties of Tricyanovinyl Oligothiophenes: Comparisons between Symmetric and Asymmetric Substitution Patterns. Chemistry - A European Journal, 2006, 12, 5458-5470.	3.3	37
140	Magnetic Properties of Quinoidal Oligothiophenes: More Than Good Candidates for Ambipolar Organic Semiconductors?. Advanced Functional Materials, 2006, 16, 531-536.	14.9	42
141	Structural implications of ring shape, dimension, and metal atom insertion in nanosized cyclic oligothiophenes: Joint Raman and density functional theory study. Journal of Chemical Physics, 2006, 125, 044518.	3.0	12
142	Vibrational dynamics study of the effect of the substituents on the Ï€-conjugation of different bithiophene molecules. Journal of Molecular Structure, 2005, 744-747, 393-401.	3.6	4
143	FT-Raman spectroscopic study, aided by quantum chemical DFT calculations, of a series of oligothiophenes end-capped by nitriles. Journal of Molecular Structure, 2005, 744-747, 403-409.	3.6	6
144	Combined theoretical and spectroscopic Raman study of 3,4-ethylenedioxy and S,S-dioxide substituted terthiophenes and their parent polymers. Journal of Molecular Structure, 2005, 744-747, 551-556.	3.6	5

#	Article	IF	Citations
145	Multidisciplinary Physicochemical Analysis of Oligothiophenes End-Capped by Nitriles:Â Electrochemistry, UVâˆ'Visâˆ'Near-IR, IR, and Raman Spectroscopies and Quantum Chemistry. Journal of Physical Chemistry B, 2005, 109, 10115-10125.	2.6	40
146	Spectroscopic and DFT studies of donor-acceptor molecules containing phenylquinoline and phenothiazine moieties in various redox states. International Journal of Quantum Chemistry, 2005, 104, 635-644.	2.0	7
147	Synthesis and Characterization of a Novel Terthiophene-Based Quinodimethane Bearing a 3,4-Ethylenedioxythiophene Central Unit. Journal of Physical Chemistry B, 2005, 109, 22308-22318.	2.6	18
148	Tuning First Molecular Hyperpolarizabilities through the Use of Proaromatic Spacers. Journal of the American Chemical Society, 2005, 127, 8835-8845.	13.7	95
149	Synthesis and Characterization of Three Novel Perfluoro-oligothiophenes Ranging in Length from the Trimer to the Pentamer. Journal of Physical Chemistry B, 2005, 109, 20737-20745.	2.6	16
150	Alternated Quinoid/Aromatic Units in Terthiophenes Building Blocks for Electroactive Narrow Band Gap Polymers. Extended Spectroscopic, Solid State, Electrochemical, and Theoretical Study. Journal of Physical Chemistry B, 2005, 109, 16616-16627.	2.6	48
151	Combined Raman, electrochemical and DFT studies on a series of Î±, Î±â€²-thiophene-phosphole oligomers and their corresponding polymers. Synthetic Metals, 2005, 153, 249-252.	3.9	12
152	Synthesis, spectroscopy and quantum chemical DFT studies on new pleiadene-based materials. Synthetic Metals, 2005, 153, 245-248.	3.9	3
153	Raman and Theoretical Study of the Solvent Effects on the Sizable Intramolecular Charge Transfer in the Pushâˆ'Pull 5-(Dimethylamino)-5â€˜-nitro-2,2â€˜-bithiophene. Journal of Physical Chemistry A, 2005, 109, 8724-8731.	2.5	28
154	Incisive Structureâˆ'Spectroscopic Correlation in Oligothiophenes Functionalized with (Â±) Inductive/Mesomeric Fluorine Groups:Â Joint Raman and DFT Study. Journal of the American Chemical Society, 2005, 127, 13364-13372.	13.7	29
155	Exploration of the electronic structure of dendrimerlike acetylene-bridged oligothiophenes by correlating Raman spectroscopy, electrochemistry, and theory. Journal of Chemical Physics, 2004, 120, 11874-11881.	3.0	10
156	Microwave-assisted sidewall functionalization of single-wall carbon nanotubes by Dielsâ€“Alder cycloaddition. Chemical Communications, 2004, , 1734-1735.	4.1	149
157	Spectroscopic and Theoretical Study of the Molecular and Electronic Structures of a Terthiophene-Based Quinodimethane. ChemPhysChem, 2004, 5, 529-539.	2.1	46
158	Application of Raman spectroscopy and quantum chemistry for featuring the structure of positively charged species in macrocyclicÏ€-conjugated diacetylene-bridged oligothiophenes. Journal of Raman Spectroscopy, 2004, 35, 592-599.	2.5	25
159	Vibrational and Quantum-Chemical Study of Nonlinear Optical Chromophores Containing Dithienothiophene as the Electron Relay. Chemistry - A European Journal, 2004, 10, 3805-3816.	3.3	44
160	Quantum chemical DFT and spectroscopic study of a pushâ€“pull chromophore for second-order nonlinear optics containing bithiophene as the electron relay. Computational and Theoretical Chemistry, 2004, 709, 187-193.	1.5	27
161	A Practical Spectroscopic and Theoretical Approach To Study the Electrochromism in Molecular-Based Materials:â€‰ The Case of a Family of Dendrimerlike Poly(6-azulenylethenyl)benzenes. Journal of Physical Chemistry B, 2004, 108, 18463-18471.	2.6	6
162	A Raman and Computational Study of Two Dithienyl Naphthodithiophenes:Â Synthesis and Characterization of New Polymers Showing Low Band Gap Optical and Electroactive Features. Journal of Physical Chemistry B, 2004, 108, 7611-7619.	2.6	4

#	Article	IF	Citations
163	Combined Raman and Computational Study of a Novel Series of Macrocyclic Ï€-Conjugated Diacetylene-Bridged Î±-Linked Oligothiophenes. Journal of Physical Chemistry B, 2004, 108, 3158-3167.	2.6	24
164	Electronic Modulation of Dithienothiophene (DTT) as Ï€-Center of D-Ï€-D Chromophores on Optical and Redox Properties:Â Analysis by UVâ^'Visâ^'NIR and Raman Spectroscopies Combined with Electrochemistry and Quantum Chemical DFT Calculations. Journal of the American Chemical Society, 2004, 126, 13363-13376.	13.7	52
165	Study of the ac conductivity of Î±, Î±â€²-dimethyl sexithiophene in pristine and doped states. Journal of Non-Crystalline Solids, 2004, 342, 146-151.	3.1	2
166	Combined Spectroscopic and Theoretical Study of Narrow Band Gap Heterocyclic Co-oligomers Containing Alternating Aromatic Donor ando-Quinoid Acceptor Units. Journal of Physical Chemistry B, 2004, 108, 2516-2526.	2.6	66
167	Vibrational and Quantum-Chemical Study of Pushâ€“Pull Chromophores for Second-Order Nonlinear Optics from Rigidified Thiophene-Based Ï€-Conjugating Spacers. Chemistry - A European Journal, 2003, 9, 3670-3682.	3.3	57
168	Vibrational study of pushâ€“pull chromophores for second-order non-linear optics derived from rigidified thiophene Ï€-conjugating spacers. Journal of Molecular Structure, 2003, 651-653, 151-158.	3.6	34
169	Theoretical description of the Raman spectrum of a vinylene-bridged quaterthiophene oligomer. Journal of Molecular Structure, 2003, 651-653, 657-664.	3.6	9
170	UVâ€“Vis, IR, Raman and theoretical characterization of a novel quinoid oligothiophene molecular material. Journal of Molecular Structure, 2003, 651-653, 665-673.	3.6	10
171	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. Journal of Physical Chemistry B, 2003, 107, 2637-2644.	2.6	42
172	Spectroscopic and Theoretical Study of Pushâ^'Pull Chromophores Containing Thiophene-Based Quinonoid Structures as Electron Spacers. Journal of Physical Chemistry B, 2003, 107, 12175-12183.	2.6	40
173	Nitro-Functionalized Oligothiophenes as a Novel Type of Electroactive Molecular Material:Â Spectroscopic, Electrochemical, and Computational Study. Journal of the American Chemical Society, 2003, 125, 2524-2534.	13.7	106
174	Infrared and Raman features of a series of Î±,Ï‰-bis(arylthio)oligothiophenes as molecular wires. A Ï€-electron delocalization efficiency study. Journal of Chemical Physics, 2003, 118, 1912-1920.	3.0	21
175	Efficiency of the Ï€ conjugation in a novel family of Î±,Î±â€²-bisphenyl end-capped oligothiophenes by means of Raman spectroscopy. Journal of Chemical Physics, 2002, 116, 10419-10427.	3.0	63
176	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.	2.6	63
177	Vibrational Spectroscopic Features of a Novel Family of Amorphous Molecular Materials Containing an Oligothiophene Moiety as Color-Tunable Emitting Materials. Journal of Physical Chemistry B, 2002, 106, 7163-7170.	2.6	41
178	Combined Spectroelectrochemical and Theoretical Study of a Vinylene-Bridged Sexithiophene Cooligomer:Â Analysis of the Ï€-Electron Delocalization and of the Electronic Defects Generated upon Doping. Journal of Physical Chemistry B, 2002, 106, 3872-3881.	2.6	63
179	Quinonoid Oligothiophenes as Electron-Donor and Electron-Acceptor Materials. A Spectroelectrochemical and Theoretical Study. Journal of the American Chemical Society, 2002, 124, 12380-12388.	13.7	109
180	Infrared spectra of two sexithiophenes in neutral and doped states: a theoretical and spectroscopic study. Vibrational Spectroscopy, 2002, 30, 175-189.	2.2	7

#	Article	IF	Citations
181	Tetrathiafulvalene Derivatives as NLO-phores:Â Synthesis, Electrochemistry, Raman Spectroscopy, Theoretical Calculations, and NLO Properties of Novel TTF-Derived Donor-Ï€-Acceptor Dyads. Journal of Organic Chemistry, 2001, 66, 8872-8882.	3.2	127
182	Intramolecular charge transfer in push-pull oligothiophenes from their vibrational spectra. Synthetic Metals, 2001, 119, 551-552.	3.9	4
183	Theoretical and vibrational study of electron-acceptor oligothienoquinonoids with well defined substitution patterns. Synthetic Metals, 2001, 119, 553-554.	3.9	2
184	Spectroelectrochemical Raman study of a new series of thiophene/phenylene co-oligomers. Synthetic Metals, 2001, 119, 305-306.	3.9	8
185	Vibrational and theoretical DFT study of two regioregular methyl-disubstituted bithiophenes. Journal of Molecular Structure, 2001, 563-564, 539-544.	3.6	3
186	Spectroelectrochemical Raman Study of two Î±,Î±'-End Capped Sexithiophenes: The Effect of the Introduction of a Polarisable Sulfur Atom in the Side Chain. Materials Research Society Symposia Proceedings, 2000, 660, .	0.1	0
187	Infrared and Raman spectra of a new radical cation charged defect created on a well-barrier-well thiophene-based oligomer. Journal of Raman Spectroscopy, 2000, 31, 565-570.	2.5	23
188	Vibrational spectra of charged defects in a series of Î±,Î±â€²-bis(aminomethyl) end-capped oligothiophenes induced by chemical doping with iodine. Journal of Molecular Structure, 2000, 521, 239-247.	3.6	3
189	Density functional study on the structures and vibrational spectra of the radical cation and dication of Î±,Î±â€²-bis(aminomethyl)quaterthiophene. Journal of Molecular Structure, 2000, 521, 249-260.	3.6	6
190	Spectroelectrochemical Raman Study of two Î±,Î±'-End Capped Sexithiophenes: The Effect of the Introduction of a Polarisable Sulfur Atom in the Side Chain. Materials Research Society Symposia Proceedings, 2000, 660, 1.	0.1	0
191	Raman spectra and conformational properties of hexyl- and methylsulphanyl-substituted oligothiophenes. Synthetic Metals, 2000, 108, 27-31.	3.9	9
192	A Combined Spectroscopic and Theoretical Study of a Series of Aminomethyl End-Capped Oligothiophenes with Potential Applications in Thin Film Devices. Journal of Physical Chemistry A, 2000, 104, 735-740.	2.5	24
193	Spectroelectrochemical Raman Study of a Novel Well-Barrier-Well Vinylene-Bridged-Octithiophene Oligomer:Â An Analysis of the Conjugation Length and of the Electronic Defects Created upon Doping. Journal of Physical Chemistry A, 2000, 104, 10656-10661.	2.5	14
194	Combined Theoretical and Vibrational Study of Dihexylbithienoquinonoid Derivatives with Regioregular Head-to-Head, Head-to-Tail, and Tail-to-Tail Orientations. Journal of Physical Chemistry A, 2000, 104, 661-672.	2.5	30
195	FT-IR and FT-Raman spectra of a series of oxidized Î±,Î±â€²-diethyl end-capped oligothienyls: a spectroscopic study of conjugational model defects. Optical Materials, 1999, 12, 321-325.	3.6	3
196	Infrared and Raman Spectra of a Well-Barrier-Well 1,2-Di(Î±,Î±â€²-Bithienyl)Vinylene. Synthetic Metals, 1999, 101, 548.	3.9	1
197	Vibrational and electronic spectroscopic study of two oligothiophene materials bearing a heteroquinonoid structure.. Synthetic Metals, 1999, 101, 549-550.	3.9	1
198	Vibrational spectra and ab initio dft calculations of 3,3â€²-and 4,4â€²-dimethyl substituted 2,2â€²-bithiophene.. Synthetic Metals, 1999, 101, 590-591.	3.9	4

#	Article	IF	Citations
199	Vibrational Spectroscopic Study of a Series of Î±,Î±â€˜-Diethyl End-Capped Oligothiophenes with Different Chain Lengths in the Neutral State. Journal of Physical Chemistry A, 1999, 103, 816-822.	2.5	34
200	FT-Raman Studies of Charged Defects Created on Methyl End-Capped Oligothiophenes by Doping with NOBF4. Advanced Materials, 1998, 10, 1458-1461.	21.0	68
201	Electrochemical doping in a series of Î±, Î±â€²-dimethyl end-capped oligothienyls An FT-Raman confirmation of a radical cation generation. Optical Materials, 1998, 9, 82-87.	3.6	14
202	â€˜In situâ€™ spectroelectrochemical study of a series of Î±,Î±â€²-dimethyl end-capped oligothiophene films. Synthetic Metals, 1998, 95, 93-100.	3.9	18
203	Vibrational spectroscopic study of 5,5â€³-bis(dicyanomethylene)-5,5â€³-dihydro-Î”2,2â€²:5â€²,2â€³-terthiophene bearing a heteroquinonoid structure as a model of doped polythiophene. Journal of Chemical Physics, 1998, 109, 2543-2548.	3.0	26
204	Vibrational spectra of charged defects in a series of Î±,Î±â€²-dimethyl end-capped oligothiophenes induced by chemical doping with iodine. Journal of Chemical Physics, 1998, 109, 10419-10429.	3.0	107
205	Vibrational Spectroscopy study of doping induced charged defects in a series of Î±,Î±'-Dimethyl end-capped Oligothiophenes. Synthetic Metals, 1997, 84, 571-572.	3.9	8
206	A theoretical investigation of Î±,Î±â€²-dimethyl end-capped oligothiophenes: Structures, vibrational spectra and conjugational defects. Synthetic Metals, 1997, 85, 1157-1158.	3.9	2
207	Vibrational analysis as a function of the chain-length of well-barrier-well Ï€-conjugated thiophene-based oligomers. Synthetic Metals, 1997, 84, 591-592.	3.9	4
208	A theoretical investigation of Î±,Î±â€²-dimethyl end-capped oligothiophenes: structures, vibrational spectra and conjugation defects. Synthetic Metals, 1997, 89, 159-160.	3.9	2
209	Ab initio self-consistent reaction field calculations on amino acids: asparagine zwitterions in polar medium and gas phase. Theoretical Chemistry Accounts, 1997, 98, 5-15.	1.4	9
210	Ab initio theoretical study of thiophene derivatives: 2-methylthiophene and 3-methylthiophene. Journal of Molecular Structure, 1997, 410-411, 311-314.	3.6	7
211	Solvent effects on the structure and spectra of glutamine studied by the SCRF theory. Journal of Molecular Structure, 1997, 410-411, 353-356.	3.6	0
212	Infrared and Raman spectra of two well-barrier-well 1,2-di(Î±,Î±â€²-oligothienyl)ethanes. Journal of Raman Spectroscopy, 1997, 28, 855-865.	2.5	3
213	Solvent effects on electronic properties, geometries and internal rotation barriers of bithiophenes. An ab initio self-consistent reaction field theoretical study. Synthetic Metals, 1996, 76, 221-224.	3.9	16
214	Delocalization length, electronic properties and vibrational spectra of neutral Î±,Î±â€² -dimethyl end-capped oligothiophenes. Synthetic Metals, 1996, 76, 277-280.	3.9	15
215	Ï€ Electron delocalization in pristine polyfuran: from the oligomers to the polymer. Acta Polymerica, 1996, 47, 62-65.	0.9	18
216	Scaled Quantum-Mechanical Force Field and Vibrational Spectra of 3-Methylthiophene. The Journal of Physical Chemistry, 1996, 100, 2907-2914.	2.9	14

#	Article	IF	Citations
217	Conformational Disorder and Mean Conjugation of Neutral Î±,Î±â€˜-Dimethyl End-Capped Oligothiophenes in Solution:Â A FT-Raman and FT-Infrared Spectroscopic Study. The Journal of Physical Chemistry, 1996, 100, 289-293.	2.9	27
218	Infrared and Raman spectra of L-asparagine and L-asparagine-d5 in the solid state. Journal of Raman Spectroscopy, 1995, 26, 1003-1008.	2.5	31
219	Vibrational study of aspartic acid and glutamic acid dipeptides. Journal of Molecular Structure, 1995, 348, 249-252.	3.6	57
220	Vibrational spectra and assignments of amino acid L-asparagine. Journal of Molecular Structure, 1995, 349, 57-60.	3.6	9
221	Force field and normal coordinate calculations for glutamic acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1995, 51, 293-302.	3.9	35
222	Force field and normal coordinate calculations of the amino acid l-asparagine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1995, 51, 2347-2356.	3.9	8
223	A semiempirical approach for the calculation of the vibrational spectra of conducting polymers: the case of polyselenophene. Journal of Molecular Structure, 1995, 348, 91-94.	3.6	10
224	Lattice dynamics and vibrational spectra of polyfuran: effective conjugation coordinate and photoexcited spectrum. Synthetic Metals, 1995, 69, 391-392.	3.9	10
225	Structural and spectroscopical study of glutamic acid in the nonzwitterionic form. Computational and Theoretical Chemistry, 1995, 330, 261-266.	1.5	28
226	Ab initio study of torsional potentials in 2,2â€™â€bithiophene and 3,4â€™â€•and 3,3â€™â€dimethylâ€2,2â€™â€bithiophene as models of the backbone flexibility in polythiophene and poly(3â€•methylthiophene). Journal of Chemical Physics, 1994, 101, 1369-1377.	3.0	78
227	Vibrational spectra of [15N]glutamic acid and [2H4]glutamic acid. Journal of Raman Spectroscopy, 1994, 25, 861-867.	2.5	12
228	Transferable semiempirical quadratic force fields: The case of polythiophene and shorter oligomers. Journal of Computational Chemistry, 1994, 15, 405-423.	3.3	26
229	Ir and Raman spectra ofL-aspartic acid and isotopic derivatives. Biopolymers, 1994, 34, 1065-1077.	2.4	67
230	An interpretation of the vibrational spectra of insulating and electrically conducting poly(3â€•methylthiophene) aided by a theoretical dynamical model. Journal of Chemical Physics, 1994, 100, 114-129.	3.0	66
231	Conformational and vibrational study on 1,2-dihydroxybenzene. Journal of Molecular Structure, 1993, 293, 59-62.	3.6	5
232	Comparison between semiempirical and experimental force fields of oligothiophenes as an approach for the calculations of the vibrational spectrum of the polymer. Journal of Molecular Structure, 1993, 294, 37-40.	3.6	3
233	Harmonic force filed for amino acid L-glutamine by MNDO semiempirical method. Journal of Molecular Structure, 1993, 294, 49-52.	3.6	8
234	Normal coordinate and rotational barrier calculations on 1,2-dihydroxybenzene. Vibrational Spectroscopy, 1993, 4, 321-334.	2.2	35

#	Article	IF	Citations
235	A study by Raman spectroscopy and the semiempirical AM1 method on several 1,2-dihydroxybenzene solutions. Spectrochimica Acta Part A: Molecular Spectroscopy, 1993, 49, 1759-1767.	0.1	12
236	Resonance raman spectra and lattice dynamics calculations of pristine and doped polyconjugated polyfuran. Synthetic Metals, 1993, 57, 4467-4472.	3.9	12
237	Vibrational Spectra and lattice dynamics calculations of poly (p-phenylene): oligomers and polymer. Synthetic Metals, 1993, 57, 4461-4466.	3.9	10
238	Lattice dynamics and vibrational spectra of pristine and doped polyconjugated polyfuran. Journal of Chemical Physics, 1993, 98, 769-783.	3.0	50
239	Lattice dynamics and vibrational spectra of pristine, doped, and photoexcited poly(3-methylthiophene). Synthetic Metals, 1992, 51, 211-218.	3.9	9
240			

#	Article	IF	Citations
253	A simple interpretation of the vibrational spectra of undoped, doped and photoexcited polyacetylene: Amplitude mode theory in the GF formalism. Solid State Communications, 1988, 65, 625-630.	1.9	221
254	FTIR spectra (frequency and intensity) of poly-(para-phenylenes). Mikrochimica Acta, 1988, 94, 247-249.	5.0	8
255	Lattice dynamics and infrared spectra of doping induced and photoexcited poly (acetylene). Solid State Communications, 1988, 65, 409-414.	1.9	3
256	Interpretation of vibrational spectra of pristine, doped and photoinduced polyacetylene.. Journal of Molecular Structure, 1988, 174, 375-382.	3.6	1
257	Vibrational spectrum and internal rotation in 2-methylpyrazine. Journal of the Chemical Society, Faraday Transactions 2, 1988, 84, 53-65.	1.1	43
258	On the problem of Ï€ electron delocalisation across sp3 carbon atoms introduced as defects in polyacetylene. Solid State Communications, 1987, 64, 1183-1186.	1.9	14
259	Vibrational spectrum and internal rotation in 2,5-dimethylpyrazine. Journal of Molecular Structure, 1987, 162, 263-272.	3.6	15
260	Force field for in-plane vibrations of pyrazine. Spectrochimica Acta Part A: Molecular Spectroscopy, 1986, 42, 1343-1348.	0.1	27
261	A MINDO/3 harmonic force field for pyrazine. In-plane Ag and B3u vibrations. Journal of Molecular Structure, 1986, 142, 295-298.	3.6	7
262	Conformations and vibrational spectra of methyl-pyrazines. Journal of Molecular Structure, 1986, 142, 423-426.	3.6	5
263	Vibrational spectra of [1H4]pyrazine and [2H4]pyrazine. Journal of the Chemical Society, Faraday Transactions 2, 1985, 81, 405.	1.1	51