Juan Teodomiro LÃ³pez Navarrete

List of Publications by Year
in descending order

263 papers	9,452 citations	36203 51 h-index	54797 84 g-index
263 all docs	263 docs citations	263 times ranked	9421 citing authors

#	Article	IF	Citations
1	Polymer solar cells with enhanced fill factors. Nature Photonics, 2013, 7, 825-833.	15.6	887
2	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.	6.6	257
3	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.	6.6	256
4	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.	0.9	221
5	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.	6.6	218
6	(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.	6.6	178
7	Impact of Perfluorination on the Charge-Transport Parameters of Oligoacene Crystals. Journal of the American Chemical Society, 2009, 131, 1502-1512.	6.6	174
8	Pushing Extended p-Quinodimethanes to the Limit: Stable Tetracyano-oligo(N-annulated) Tj ETQq0 0 0 rgBT /Overlock 10 T 2013, 135, 6363-6371.	6.6	170
9	Microwave-assisted sidewall functionalization of single-wall carbon nanotubes by Dielsâ€“Alder cycloaddition. Chemical Communications, 2004, , 1734-1735.	2.2	149
10	On the Biradicaloid Nature of Long Quinoidal Oligothiophenes: Experimental Evidence Guided by Theoretical Studies. Angewandte Chemie - International Edition, 2007, 46, 9057-9061.	7.2	143
11	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.	1.7	127
12	Quinonoid Oligothiophenes as Electron-Donor and Electron-Acceptor Materials. A Spectroelectrochemical and Theoretical Study. Journal of the American Chemical Society, 2002, 124, 12380-12388.	6.6	109
13	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.	1.2	107
14	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.	6.6	106
15	High Yield Ultrafast Intramolecular Singlet Exciton Fission in a Quinoidal Bithiophene. Journal of Physical Chemistry Letters, 2015, 6, 1375-1384.	2.1	106
16	Ladderâ€type Heteroarenes: Up to 15 Rings with Five Imide Groups. Angewandte Chemie - International Edition, 2017, 56, 9924-9929.	7.2	105
17	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.	6.6	98
18	Inversion of Supramolecular Helicity in Oligoâ€pâ€phenyleneâ€Based Supramolecular Polymers: Influence of Molecular Atropisomerism. Angewandte Chemie - International Edition, 2014, 53, 1373-1377.	7.2	96

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19	Tuning First Molecular Hyperpolarizabilities through the Use of Proaromatic Spacers. Journal of the American Chemical Society, 2005, 127, 8835-8845.	6.6	95
20	Tetracyanoquaterrylene and Tetracyanohexarylenequinodimethanes with Tunable Ground States and Strong Nearâ€Infrared Absorption. Angewandte Chemie - International Edition, 2013, 52, 8561-8565.	7.2	94
21	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.	6.6	87
22	Alkoxyâ€Functionalized Thienylâ€Vinylene Polymers for Fieldâ€Effect Transistors and Allâ€Polymer Solar Cells. Advanced Functional Materials, 2014, 24, 2782-2793.	7.8	83
23	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.	1.7	82
24	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.	1.7	81
25	Carbon dots obtained using hydrothermal treatment of formaldehyde. Cell imaging in vitro. Nanoscale, 2014, 6, 9071-9077.	2.8	79
26	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.	1.2	78
27	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.	7.2	77
28	Quinoidal Oligothiophenes: Towards Biradical Groundâ€State Species. Chemistry - A European Journal, 2010, 16, 470-484.	1.7	74
29	Ambipolar Organic Fieldâ€Effect Transistors from Crossâ€Conjugated Aromatic Quaterthiophenes; Comparisons with Quinoidal Parent Materials. Advanced Functional Materials, 2009, 19, 386-394.	7.8	71
30	A molecular viewpoint of lattice dynamics and spectra of conducting polymers. Synthetic Metals, 1989, 28, D359-D368.	2.1	69
31	FT-Raman Studies of Charged Defects Created on Methyl End-Capped Oligothiophenes by Doping with NOBF4. Advanced Materials, 1998, 10, 1458-1461.	11.1	68
32	Ir and Raman spectra ofL-aspartic acid and isotopic derivatives. Biopolymers, 1994, 34, 1065-1077.	1.2	67
33	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.	1.2	66
34	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.	1.2	66
35	Aromatic/Proaromatic Donors in 2â€Dicyanomethylenethiazole Merocyanines: From Neutral to Strongly Zwitterionic Nonlinear Optical Chromophores. Chemistry - A European Journal, 2011, 17, 826-838.	1.7	64
36	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.	1.2	63

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37	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.	1.2	63
38	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.	1.2	63
39	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.	1.7	63
40	Antiaromatic bisindeno-[n]thienoacenes with small singlet biradical characters: syntheses, structures and chain length dependent physical properties. Chemical Science, 2014, 5, 4490-4503.	3.7	62
41	The first synthesis of a conjugated hybrid of C60â€“fullerene and a single-wall carbon nanotube. Carbon, 2007, 45, 2250-2252.	5.4	60
42	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.	0.5	58
43	Vibrational study of aspartic acid and glutamic acid dipeptides. Journal of Molecular Structure, 1995, 348, 249-252.	1.8	57
44	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.	1.7	57
45	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.	6.6	55
46	The Frontiers of Quinoidal Stability in Long Oligothiophenes: Raman Spectra of Dicationic Polaron Pairs. Journal of the American Chemical Society, 2011, 133, 16350-16353.	6.6	55
47	The unusual electronic structure of ambipolar dicyanovinyl-substituted diketopyrrolopyrrole derivatives. Journal of Materials Chemistry C, 2014, 2, 6376.	2.7	55
48	Chain flexibility in polyheteroaromatic polymers part I. Electronic properties, structure and vibrational spectra of oligomers as models of polypyrrole and polythiophene. Synthetic Metals, 1990, 38, 299-312.	2.1	54
49	Synthesis and Doping of a Multifunctional Tetrathiafulvalene- Substituted Poly(isocyanide). Macromolecules, 2007, 40, 7521-7531.	2.2	54
50	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.	7.2	53
51	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.	6.6	52
52	Vibrational spectra of [1H4]pyrazine and [2H4]pyrazine. Journal of the Chemical Society, Faraday Transactions 2, 1985, 81, 405.	1.1	51
53	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.	6.6	51
54	Lattice dynamics and vibrational spectra of pristine and doped polyconjugated polyfuran. Journal of Chemical Physics, 1993, 98, 769-783.	1.2	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. Journal of Physical Chemistry B, 2005, 109, 16616-16627.	1.2	48
56	Electronic, Optical, and Vibrational Properties of Bridged Dithienylethylene-Based NLO Chromophores. Journal of Physical Chemistry C, 2008, 112, 3109-3120.	1.5	48
57	Turning on the biradical state of tetracyano-perylene and quaterrylenequinodimethanes by incorporation of additional thiophene rings. Chemical Science, 2014, 5, 3072-3080.	3.7	48
58	Spectroscopic and Theoretical Study of the Molecular and Electronic Structures of a Terthiophene-Based Quinodimethane. ChemPhysChem, 2004, 5, 529-539.	1.0	46
59	Vibrational and Quantum-Chemical Study of Nonlinear Optical Chromophores Containing Dithienothiophene as the Electron Relay. Chemistry - A European Journal, 2004, 10, 3805-3816.	1.7	44
60	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.	6.6	44
61	Vibrational spectrum and internal rotation in 2-methylpyrazine. Journal of the Chemical Society, Faraday Transactions 2, 1988, 84, 53-65.	1.1	43
62	Synthesis of the Smallest Axially Chiral Molecule by Asymmetric Carbonâ€“Fluorine Bond Activation. Angewandte Chemie - International Edition, 2012, 51, 2218-2220.	7.2	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. Journal of Physical Chemistry B, 2003, 107, 2637-2644.	1.2	42
64	Magnetic Properties of Quinoidal Oligothiophenes: More Than Good Candidates for Ambipolar Organic Semiconductors?. Advanced Functional Materials, 2006, 16, 531-536.	7.8	42
65	Oligothiophene Tetracyanobutadienes: Alternative Donorâ^'Acceptor Architectures for Molecular and Polymeric Materials. Chemistry of Materials, 2011, 23, 823-831.	3.2	42
66	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.	1.2	41
67	Novel Thiopheneâ€“Phenyleneâ€“Thiophene Fused Bislactam-Based Donorâ€“Acceptor Type Conjugate Polymers: Synthesis by Direct Arylation and Properties. Macromolecules, 2013, 46, 9220-9230.	2.2	41
68	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.	1.2	40
69	Multidisciplinary Physicochemical Analysis of Oligothiophenes End-Capped by Nitriles:Â Electrochemistry, UVâ^'Visâ^'Near-IR, IR, and Raman Spectroscopies and Quantum Chemistry. Journal of Physical Chemistry B, 2005, 109, 10115-10125.	1.2	40
70	Hexaazatriphenylene (HAT) versus triâ€HAT: The Bigger the Better?. Chemistry - A European Journal, 2011, 17, 10312-10322.	1.7	40
71	Selfâ€Assembly Studies of a Chiral Bisureaâ€Based Superhydrogelator. Chemistry - A European Journal, 2012, 18, 14725-14731.	1.7	40
72	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.	1.1	39

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73	Optical, Redox, and NLO Properties of Tricyanovinyl Oligothiophenes: Comparisons between Symmetric and Asymmetric Substitution Patterns. Chemistry - A European Journal, 2006, 12, 5458-5470.	1.7	37
74	Î±-Oligofurans show a sizeable extent of Ï€-conjugation as probed by Raman spectroscopy. Chemical Communications, 2012, 48, 6732.	2.2	37
75	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.	1.7	37
76	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.	1.2	36
77	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.	6.6	36
78	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.	1.3	36
79	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.	2.2	36
80	Normal coordinate and rotational barrier calculations on 1,2-dihydroxybenzene. Vibrational Spectroscopy, 1993, 4, 321-334.	1.2	35
81	Force field and normal coordinate calculations for glutamic acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1995, 51, 293-302.	2.0	35
82	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.	1.7	35
83	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.	1.1	34
84	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.	1.8	34
85	Resonance Raman and FTIR spectra of pristine and doped polyconjugated polyfuran. Chemical Physics Letters, 1992, 191, 419-422.	1.2	33
86	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.	6.6	33
87	Evidence for Multicenter Bonding in Dianionic Tetracyanoethylene Dimers by Raman Spectroscopy. Angewandte Chemie - International Edition, 2013, 52, 6421-6425.	7.2	33
88	Magnetic and Conductive Properties of Quinoidal Oligothiophenes. Chemistry of Materials, 2006, 18, 1539-1545.	3.2	32
89	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.	1.2	32
90	Thermomagnetic Molecular System Based on TTF-PTM Radical: Switching the Spin and Charge Delocalization. Journal of Physical Chemistry Letters, 2013, 4, 2721-2726.	2.1	32

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91	Infrared and Raman spectra of L-asparagine and L-asparagine-d5 in the solid state. Journal of Raman Spectroscopy, 1995, 26, 1003-1008.	1.2	31
92	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.	1.2	31
93	Relation between effective conjugation, vibrational force constants and electronic properties in polyconjugated materials. Solid State Communications, 1990, 74, 199-202.	0.9	30
94	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.	1.1	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. Journal of Physical Chemistry C, 2014, 118, 3984-3993.	1.5	30
96	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.	1.6	30
97	Incisive Structureâ^'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.	6.6	29
98	Structural and spectroscopical study of glutamic acid in the nonzwitterionic form. Computational and Theoretical Chemistry, 1995, 330, 261-266.	1.5	28
99	Raman and Theoretical Study of the Solvent Effects on the Sizable Intramolecular Charge Transfer in the Pushâ^'Pull 5-(Dimethylamino)-5â€˜-nitro-2,2â€˜-bithiophene. Journal of Physical Chemistry A, 2005, 109, 8724-8731.	1.1	28
100	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.	1.2	28
101	Force field for in-plane vibrations of pyrazine. Spectrochimica Acta Part A: Molecular Spectroscopy, 1986, 42, 1343-1348.	0.1	27
102	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
103	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
104	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.	1.1	27
105	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.	1.7	27
106	Symmetry Lowering in Triindoles: Impact on the Electronic and Photophysical Properties. Journal of Physical Chemistry C, 2014, 118, 5470-5477.	1.5	27
107	Transferable semiempirical quadratic force fields: The case of polythiophene and shorter oligomers. Journal of Computational Chemistry, 1994, 15, 405-423.	1.5	26
108	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.	1.2	26

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109	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.	1.7	26
110	Ultrafast and High-Contrast Electrochromism on Bendable Transparent Carbon Nanotube Electrodes. Journal of Physical Chemistry Letters, 2010, 1, 1367-1371.	2.1	26
111	On the handedness of helical aggregates of C₃ tricarboxamides: a multichiroptical characterization. Chemical Communications, 2015, 51, 9781-9784.	2.2	26
112	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.	1.2	25
113	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.	1.1	25
114	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.	1.5	25
115	Neutral and Oxidized Triisopropylsilyl Endâ€Capped Oligothienoacenes: A Combined Electrochemical, Spectroscopic, and Theoretical Study. Chemistry - A European Journal, 2010, 16, 5481-5491.	1.7	25
116	Enantiopure, Monodisperse Alleno–acetylenic Cyclooligomers: Effect of Symmetry and Conformational Flexibility on the Chiroptical Properties of Carbonâ€Rich Compounds. Chemistry - A European Journal, 2011, 17, 3876-3885.	1.7	25
117	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.	1.5	25
118	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.	1.1	24
119	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.	1.2	24
120	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.	1.2	23
121	Understanding Optoelectronic Properties of Cyano-Terminated Oligothiophenes in the Context of Intramolecular Charge Transfer. Journal of Physical Chemistry B, 2011, 115, 10573-10585.	1.2	23
122	Mode Robustness in Raman Optical Activity. Journal of Chemical Theory and Computation, 2014, 10, 5520-5527.	2.3	23
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127	Vibrational Circular Dichroism Shows Reversible Helical Handedness Switching in Peptidomimetic l-Valine Fibrils. Journal of Physical Chemistry Letters, 2012, 3, 2120-2124.	2.1	21
128	Electropolymerized Three-Dimensional Randomly Branched EDOT-Containing Copolymers. Langmuir, 2013, 29, 15463-15473.	1.6	21
129	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.	3.2	21
130	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.	1.5	20
131	The longest quinoidal oligothiophene: A Raman story. Chemical Record, 2011, 11, 45-53.	2.9	20
132	Electronic structure and lattice dynamics of polyfuran. Synthetic Metals, 1991, 41, 789-792.	2.1	19
133	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.	1.7	19
134	Optical absorption and emission properties of end-capped oligothienoacenes: A joint theoretical and experimental study. Organic Electronics, 2010, 11, 1701-1712.	1.4	19
135	Ï€ Electron delocalization in pristine polyfuran: from the oligomers to the polymer. Acta Polymerica, 1996, 47, 62-65.	1.4	18
136	â€˜In situâ€™ spectroelectrochemical study of a series of Î±,Î±â€²-dimethyl end-capped oligothiophene films. Synthetic Metals, 1998, 95, 93-100.	2.1	18
137	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.	1.2	18
138	Oligothiophene- and Oligopyrrole-Mediated Aggregation of Gold Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 5886-5892.	1.5	18
139	Linear and Nonlinear Optical Properties of Ramified Hexaazatriphenylenes: Charge Transfer Contributions to the Octupolar Response. Journal of Physical Chemistry C, 2013, 117, 626-632.	1.5	18
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