

Ted M Pappenfus

List of Publications by Year in descending order

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45
papers

1,802
citations

279798

23
h-index

265206

42
g-index

46
all docs

46
docs citations

46
times ranked

2431
citing authors

#	ARTICLE	IF	CITATIONS
1	Halogen Interactions in Halogenated Oxindoles: Crystallographic and Computational Investigations of Intermolecular Interactions. <i>Molecules</i> , 2021, 26, 5487.	3.8	3
2	Developing a Portable Organic Solar Cell Kit Suitable for Students to Fabricate and Test Solar Cells in the Laboratory. <i>Journal of Chemical Education</i> , 2020, 97, 3751-3757.	2.3	12
3	Excited State Electron Transfer from Donor-System-Acceptor Dyes to ZnO Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15565-15573.	3.1	1
4	ProDOT-Assisted Isomerically Pure Indophenines. <i>Journal of Organic Chemistry</i> , 2019, 84, 11253-11257.	3.2	12
5	Exploration of the Direct Arylation Polymerization Method for the Practical Application of Conjugated Materials: Synthetic Scale-Up, Solar Cell Performance, and Cost Analyses. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800272.	2.2	20
6	Benzodithiophene homopolymers via direct (hetero)arylation polymerization. <i>Polymer Bulletin</i> , 2018, 75, 5667-5675.	3.3	3
7	Crystal structure and Hirshfeld analysis of 2-(5-bromothiophen-2-yl)acetonitrile. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 189-192.	0.5	2
8	Fingerprints of Through-Bond and Through-Space Exciton and Charge-Electron Delocalization in Linearly Extended [2.2]Paracyclophanes. <i>Journal of the American Chemical Society</i> , 2017, 139, 3095-3105.	13.7	34
9	Oligomers of cyclopentadithiophene-vinylene in aromatic and quinoidal versions and redox species with intermediate forms. <i>Chemical Science</i> , 2017, 8, 8106-8114.	7.4	16
10	Effects of a phosphonate anchoring group on the excited state electron transfer rates from a terthiophene chromophore to a ZnO nanocrystal. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 24294-24303.	2.8	3
11	Synthesis, characterization, and electronic properties of a thermally-labile isoindigo. <i>Journal of Molecular Structure</i> , 2015, 1095, 96-99.	3.6	1
12	Synthesis and Electronic Properties of Oxidized Benzo[1,2-b:4,5-b']dithiophenes. <i>Journal of Organic Chemistry</i> , 2014, 79, 9408-9412.	3.2	17
13	Impact of the Synergistic Collaboration of Oligothiophene Bridges and Ruthenium Complexes on the Optical Properties of Dumbbell-Shaped Compounds. <i>Chemistry - A European Journal</i> , 2013, 19, 1476-1488.	3.3	9
14	Molecular tuning in highly fluorescent dithieno[3,2-b: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
15	Organic Materials in the Undergraduate Laboratory: Microscale Synthesis and Investigation of a Donor-Acceptor Molecule. <i>Journal of Chemical Education</i> , 2012, 89, 1461-1465.	2.3	12
16	One-Pot Synthesis of 4,8-Dialkylbenzo[1,2-b:4,5-b']dithiophenes. <i>Heterocycles</i> , 2012, 85, 355.	0.7	10
17	Oligothiophene Tetracyanobutadienes: Alternative Donor-Acceptor Architectures for Molecular and Polymeric Materials. <i>Chemistry of Materials</i> , 2011, 23, 823-831.	6.7	42
18	PBC-DFT Applied to Donor-Acceptor Copolymers in Organic Solar Cells: Comparisons between Theoretical Methods and Experimental Data. <i>Macromolecules</i> , 2011, 44, 2354-2357.	4.8	32

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19	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
20	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
21	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
22	Alternative syntheses and reactivity of platinum(II) terpyridyl acetonitrile complexes. <i>Inorganica Chimica Acta</i> , 2010, 363, 3214-3221.	2.4	13
23	Regiochemistry of Poly(3-hexylthiophene): Synthesis and Investigation of a Conducting Polymer. <i>Journal of Chemical Education</i> , 2010, 87, 522-525.	2.3	23
24	The Influence of Internal Charge Transfer on Nonradiative Decay in Substituted Terthiophenes. <i>Journal of Physical Chemistry A</i> , 2009, 113, 10202-10210.	2.5	21
25	Teaching Research: A Curriculum Model That Works. <i>Journal of Chemical Education</i> , 2009, 86, 940.	2.3	22
26	Wind to Ammonia: Electrochemical Processes in Room Temperature Ionic Liquids. <i>ECS Transactions</i> , 2009, 16, 89-93.	0.5	31
27	Reduced Band Gap Dithieno[3,2- <i>b</i> :2',3'- <i>d'</i>]pyrroles: New n-Type Organic Materials via Unexpected Reactivity. <i>Organic Letters</i> , 2008, 10, 1553-1556.	4.6	60
28	Reverse Selectivity in <i>m</i> -CPBA Oxidation of Oligothiophenes to Sulfones. <i>Organic Letters</i> , 2007, 9, 3721-3724.	4.6	22
29	Synthesis and Catalytic Activity of Ruthenium-Indenylidene Complexes for Olefin Metathesis. <i>Journal of Chemical Education</i> , 2007, 84, 1998.	2.3	11
30	Exploration of Ground and Excited Electronic States of Aromatic and Quinoid S,S-Dioxide Terthiophenes. Complementary Systems for Enhanced Electronic Organic Materials. <i>Journal of the American Chemical Society</i> , 2006, 128, 10134-10144.	13.7	55
31	N- and P-Channel Transport Behavior in Thin Film Transistors Based on Tricyanovinyl-Capped Oligothiophenes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 14590-14597.	2.6	63
32	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
33	Exploration of the electronic structure of dendrimerlike acetylene-bridged oligothiophenes by correlating Raman spectroscopy, electrochemistry, and theory. <i>Journal of Chemical Physics</i> , 2004, 120, 11874-11881.	3.0	10
34	Complexes of Lithium Imide Salts with Tetraglyme and Their Polyelectrolyte Composite Materials. <i>Journal of the Electrochemical Society</i> , 2004, 151, A209.	2.9	137
35	Ionic conductivity of a poly(vinylpyridinium)/silver iodide solid polymer electrolyte system. <i>Solid State Ionics</i> , 2004, 171, 41-44.	2.7	10
36	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

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37	Polyelectrolyte Composite Materials with LiPF ₆ and Tetraglyme. <i>Electrochemical and Solid-State Letters</i> , 2004, 7, A254.	2.2	2
38	Preparation and Characterization of π -Stacking Quinodimethane Oligothiophenes. Predicting Semiconductor Behavior and Bandwidths from Crystal Structures and Molecular Orbital Calculations. <i>Journal of the American Chemical Society</i> , 2004, 126, 15295-15308.	13.7	124
39	Nitro-Functionalized Oligothiophenes as a Novel Type of Electroactive Molecular Material: A Spectroscopic, Electrochemical, and Computational Study. <i>Journal of the American Chemical Society</i> , 2003, 125, 2524-2534.	13.7	106
40	Synthesis and Characterization of Tricyanovinyl-Capped Oligothiophenes as Low-Band-Gap Organic Materials. <i>Organic Letters</i> , 2003, 5, 1535-1538.	4.6	68
41	Dinitro and Quinodimethane Derivatives of Terthiophene That Can Be Both Oxidized and Reduced. Crystal Structures, Spectra, and a Method for Analyzing Quinoid Contributions to Structure. <i>Journal of Organic Chemistry</i> , 2002, 67, 6015-6024.	3.2	81
42	Synthesis and Characterization of Radial Oligothiophenes: A New Class of Thiophene-Based Conjugated Homologues. <i>Organic Letters</i> , 2002, 4, 3043-3046.	4.6	46
43	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
44	A π -Stacking Terthiophene-Based Quinodimethane Is an n-Channel Conductor in a Thin Film Transistor. <i>Journal of the American Chemical Society</i> , 2002, 124, 4184-4185.	13.7	275
45	Synthesis, Spectroscopy, and Electrochemical Studies of Binuclear Tris-Bipyridine Ruthenium(II) Complexes with Oligothiophene Bridges. <i>Inorganic Chemistry</i> , 2001, 40, 6301-6307.	4.0	52