William Porzio

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/551131/publications.pdf

Version: 2024-02-01

101 papers	2,686 citations	172457 29 h-index	223800 46 g-index
101 all docs	101 docs citations	101 times ranked	3440 citing authors

#	Article	IF	Citations
1	Rodâ€“Coil Block Copolymer: Fullerene Blend Water-Processable Nanoparticles: How Molecular Structure Addresses Morphology and Efficiency in NP-OPVs. Nanomaterials, 2022, 12, 84.	4.1	4
2	Impact of the Electron Acceptor Nature on the Durability and Nanomorphological Stability of Bulk Heterojunction Active Layers for Organic Solar Cells. Small, 2021, 17, e2004168.	10.0	11
3	Mechanistic Understanding of the Interactions and Pseudocapacitance of Multiâ€Electron Redox Organic Molecules Sandwiched between MXene Layers. Advanced Electronic Materials, 2021, 7, 2001202.	5.1	10
4	Hydrogels Based on Imino-Chitosan Amphiphiles as a Matrix for Drug Delivery Systems. Polymers, 2020, 12, 2687.	4.5	20
5	Probing Molecular Interactions at MXeneâ€“Organic Heterointerfaces. Chemistry of Materials, 2020, 32, 7884-7894.	6.7	26
6	Understanding Functionalization of Titanium Carbide (MXene) with Quinones and Their Pseudocapacitance. ACS Applied Energy Materials, 2020, 3, 4127-4133.	5.1	29
7	Effect of Alkyl Side Chain Length on Intra- and Intermolecular Interactions of Terthiopheneâ€“Isoindigo Copolymers. Journal of Physical Chemistry C, 2020, 124, 9644-9655.	3.1	14
8	Synthesis and electrochemical properties of 2D molybdenum vanadium carbides â€“ solid solution MXenes. Journal of Materials Chemistry A, 2020, 8, 8957-8968.	10.3	90
9	Nanoporous furfuryl-imine-chitosan fibers as a new pathway towards eco-materials for CO2 adsorption. European Polymer Journal, 2019, 120, 109214.	5.4	23
10	2,3-exo-Diheterotactic Dicyclopentadiene Oligomers: An X-ray Powder Diffraction Study of a Challenging Multiphase Case. Chemistry of Materials, 2019, 31, 6650-6664.	6.7	1
11	Outstanding Chiroptical Features of Thin Films of Chiral Oligothiophenes. ChemNanoMat, 2018, 4, 1059-1070.	2.8	51
12	Interaction of Polar and Nonpolar Polyfluorenes with Layers of Two-Dimensional Titanium Carbide (MXene): Intercalation and Pseudocapacitance. Chemistry of Materials, 2017, 29, 2731-2738.	6.7	170
13	Addition Oligomerization of Dicyclopentadiene: Reactivity of Endo and Exo Isomers and Postmodification. Macromolecular Chemistry and Physics, 2017, 218, 1600602.	2.2	15
14	Low-Cost and Green Fabrication of Polymer Electronic Devices by Push-Coating of the Polymer Active Layers. ACS Applied Materials & Interfaces, 2017, 9, 25434-25444.	8.0	29
15	Transfer-printing of active layers to achieve high quality interfaces in sequentially deposited multilayer inverted polymer solar cells fabricated in air. Science and Technology of Advanced Materials, 2016, 17, 530-540.	6.1	13
16	Inverse Chirality Probe in Poly(3â€alkylthiophene) Derivative. Macromolecular Chemistry and Physics, 2015, 216, 801-807.	2.2	4
17	Poly(styrene)/oligo(fluorene)-intercalated fluoromica hybrids: synthesis, characterization and self-assembly. Beilstein Journal of Nanotechnology, 2014, 5, 2450-2458.	2.8	2
18	A Crystalline 2,3-exo-Disyndiotactic Dicyclopentadiene Tetramer. Crystal Growth and Design, 2014, 14, 5767-5772.	3.0	11

#	Article	IF	Citations
19	Enhanced elasticity in parylene thin films by copolymerization approach. Journal of Materials Science, 2014, 49, 7547-7555.	3.7	6
20	On the packing and the orientation of P(NDI2OD-T2) at low molecular weight. European Polymer Journal, 2014, 61, 172-185.	5.4	14
21	Poly(styrene)-graft-/rhodamine 6Gâ€“fluoromica hybrids: synthesis, characterization and photophysical properties. Journal of Materials Chemistry C, 2013, 1, 1450.	5.5	16
22	Branched polyphenylenes and phenylene dendrimers: NMR and optical studies. European Polymer Journal, 2013, 49, 4224-4237.	5.4	15
23	Enhanced Vertical Concentration Gradient in Rubbed P3HT:PCBM Graded Bilayer Solar Cells. Journal of Physical Chemistry Letters, 2012, 3, 1820-1823.	4.6	59
24	Structure and morphology optimization of poly(3-hexylthiophene) thin films onto silanized silicon oxide. European Polymer Journal, 2012, 48, 1050-1061.	5.4	11
25	Organic field-effect transistors as new paradigm for large-area molecular junctions. Organic Electronics, 2012, 13, 789-795.	2.6	19
26	In situ synthesis of fluorescent poly(norbornene)/oxazine-1 dye loaded fluoromica hybrids: supramolecular control over dye arrangement. Journal of Materials Chemistry, 2011, 21, 12901.	6.7	17
27	All-Conjugated Diblock Copolymer Approach To Improve Single Layer Green Electroluminescent Devices. Chemistry of Materials, 2011, 23, 810-816.	6.7	41
28	Nanoscale structure and morphology of thin films of poly(2-chloroxylylene) synthesized by the CVD method on different liquids. European Polymer Journal, 2011, 47, 1725-1735.	5.4	3
29	Thiophene Based Europium Î²-Diketonate Complexes: Effect of the Ligand Structure on the Emission Quantum Yield. Inorganic Chemistry, 2011, 50, 5417-5429.	4.0	146
30	Depth-resolved molecular structure and orientation of polymer thin films by synchrotron X-ray diffraction. European Polymer Journal, 2011, 47, 273-283.	5.4	38
31	Crystallographic structure and morphology of bithiophene-fluorene polymer nanocrystals. Polymer, 2011, 52, 3368-3373.	3.8	10
32	Core-type polyfluorene-based copolymers for low-cost light-emitting technologies. Organic Electronics, 2010, 11, 2012-2018.	2.6	29
33	Micro-contact printing of poly(3-hexylthiophene) on silicon oxide: Effect of stamp stretching. European Polymer Journal, 2010, 46, 1660-1670.	5.4	4
34	Synthesis and characterisation of fluorenoneâ€“thiophene-based donorâ€“acceptor oligomers: role of moiety sequence upon packing and electronic properties. New Journal of Chemistry, 2010, 34, 1961.	2.8	30
35	Toward White Light Emission through Efficient Two-Step Energy Transfer in Hybrid Nanofibers. ACS Nano, 2010, 4, 1409-1416.	14.6	93
36	Unsoluble ordered polymeric pattern by breath figure approach. Journal of Materials Chemistry, 2010, 20, 1483.	6.7	32

#	Article	IF	Citations
37	Highly Emissive Nanostructured Thin Films of Organic Hostâ€“Guests for Energy Conversion. ChemPhysChem, 2009, 10, 647-653.	2.1	68
38	The Role of Triphenylamine in the Stabilization of Highly Efficient Polyfluoreneâ€Based OLEDs: A Model Oligomers Study. ChemPhysChem, 2009, 10, 2143-2149.	2.1	22
39	Structural investigation on bulk poly(3-hexylthiophene): Combined SAXS, WAXD, and AFM studies. European Polymer Journal, 2009, 45, 2572-2579.	5.4	19
40	Suitability of 3,4-dialkyl substitution in molecular crystal based on thiopheneâ€“fluorenone for organic field effect transistors. Synthetic Metals, 2009, 159, 513-517.	3.9	12
41	Highly Efficient Color-Tunable OLED Based on Poly(9,9-dioctylfluorene) Doped with a Novel Europium Complex. Journal of Physical Chemistry C, 2009, 113, 2290-2295.	3.1	47
42	Synthesis and characterization of new azomethine derivatives exhibiting liquid crystalline properties. Liquid Crystals, 2009, 36, 21-32.	2.2	37
43	Nonâ€Resonant zâ€Scan Characterization of the Thirdâ€Order Nonlinear Optical Properties of Conjugated Poly(thiophene azines). ChemPhysChem, 2008, 9, 2028-2034.	2.1	27
44	Effect of the silanization and annealing on the morphology of thin poly(3-hexylthiophene) (P3HT) layer on silicon oxide. Surface Science, 2008, 602, 3106-3115.	1.9	27
45	Quantum chemical prediction of antennae structures in lanthanide complexes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 146, 50-53.	3.5	7
46	Stabilized blue emission from polyfluorene-based light-emitting diodes: The role of triphenylamine. Synthetic Metals, 2008, 158, 113-119.	3.9	38
47	Crystallization of Organic Semiconductor Molecules in Nanosized Cavities: Mechanism of Polymorphs Formation Studied by in Situ XRD. Journal of Physical Chemistry C, 2008, 112, 12177-12183.	3.1	4
48	Field Effect Transistors with Organic Semiconductor Layers Assembled from Aqueous Colloidal Nanocomposites. Langmuir, 2007, 23, 2030-2036.	3.5	14
49	Solid state properties of oligomers containing dithienothiophene or fluorene residues suitable for field effect transistor devices. Thin Solid Films, 2007, 515, 7318-7323.	1.8	25
50	New erbium complexes emitting in infrared region based on oligothiophene and thiophenefluorene carboxylate. Journal of Luminescence, 2007, 127, 601-610.	3.1	18
51	Close Packing in Crystals of Cyanophenylene/Thienylene Derivatives. Crystal Growth and Design, 2006, 6, 1497-1503.	3.0	8
52	Oligo- and polymeric FET devices: Thiophene-based active materials and their interaction with different gate dielectrics. Materials Science and Engineering C, 2006, 26, 996-1001.	7.3	9
53	X-ray diffraction studies of the structure and orientations of thiophene and fluorenone based molecule. Thin Solid Films, 2006, 514, 334-340.	1.8	1
54	Tris(tropolonato)phenanthroline Lanthanide(III) Complexes as Photochemical Devices. European Journal of Inorganic Chemistry, 2006, 2006, 2370-2376.	2.0	15

#	Article	IF	Citations
55	Fluorenoneâ€“thiophene derivative for organic field effect transistors: A combined structural, morphological and electrical study. Thin Solid Films, 2005, 492, 212-220.	1.8	27
56	Effects of backbone modification on the linear and third order nonlinear optical properties in fluorene based copolymers. Synthetic Metals, 2005, 149, 123-127.	3.9	7
57	Thiopheneâ€“fluorene oligomer films growth in ultra high vacuum for efficient energy transfer. Thin Solid Films, 2004, 466, 231-237.	1.8	9
58	Electrostatically Self-assembled Multilayers of Novel Symmetrical Rigid-Rod Polyanionic and Polycationic Polythiophenes on ITO/Glass and Gold Electrodes. Chemistry of Materials, 2004, 16, 2091-2100.	6.7	27
59	Organic FET devices: structureâ€“property relationship in evaporated films of three fluorenone derivatives. Synthetic Metals, 2004, 146, 259-263.	3.9	14
60	X-ray Diffraction Studies and Computer Simulations of the Crystal and Molecular Structure of 2,5-Di-(9,9-dimethylfluoren-2-yl)-3,4-dihexyl-thiophene-1,1- dioxide, a Photoluminescent Materialâ€. Crystal Growth and Design, 2003, 3, 257-262.	3.0	2
61	Novel Erbium-Substituted Oligothiophene Chelates for Infrared Emission. Macromolecules, 2003, 36, 273-275.	4.8	30
62	Electroluminescent poly(fluorene-co-thiophene-S,S-dioxide): synthesis, characterisation and structureâ€“property relationshipsElectronic supplementary information (ESI) available: crystal structure of model compound and comparison of its absorption and luminescence spectra. See http://www.rsc.org/suppdata/jm/b2/b208742a/. Journal of Materials Chemistry, 2003, 13, 807-813.	6.7	54
63	Doped thin films of two organic molecules for light-emitting diodes. Applied Physics Letters, 2003, 83, 4318-4320.	3.3	1
64	Polyconjugated Azomethine Layers by Sequential Condensation of Î±,Î±â€˜-Dialdehyde-oligothiophenes and 4,4â€˜-Diamino-diphenylenes on ITO/Glass Electrodes. Chemistry of Materials, 2002, 14, 4550-4557.	6.7	26
65	Synthesis and crystal structure and optical properties of fluorenic-core oligomers. Journal of Materials Chemistry, 2002, 12, 924-933.	6.7	57
66	Bridging the gap â€“ structure determination of the red polymorph of tetrahexylsexithiophene by Monte Carlo simulated annealing, first-principles DFT calculations and Rietveld refinement. Journal of Applied Crystallography, 2002, 35, 296-303.	4.5	24
67	A new soluble poly(bithiophene)-co-3,4-di(methoxycarbonyl)methyl thiophene for LED. Organic Electronics, 2002, 3, 149-156.	2.6	23
68	Optical properties and photoluminescence of tetrahexyl-sexithiophene allotropes. Synthetic Metals, 2001, 122, 395-399.	3.9	8
69	Synthesis and Characterization of New Poly(arylene ethynylene)s Based on 3-Hexyl Multisubstituted Oligothiophene Blocks. Macromolecular Chemistry and Physics, 2001, 202, 2572-2580.	2.2	4
70	Structural and Thermal Behavior of Poly (3-octylthiophene): a DSC,13C MAS NMR, XRD, Photoluminescence, and Raman Scattering Study. Macromolecular Chemistry and Physics, 2001, 202, 2586-2591.	2.2	47
71	Polymers, Dimers and Radical Cations from Electrochemical Oxidation of Interring-Bridged Thiophene and Thiophene-Phenylene Tetramers. Macromolecular Chemistry and Physics, 2001, 202, 3049-3056.	2.2	12
72	A Comb-Like Alternating Copolymer of Thiophene and Hydroxyalkylthiophene: Synthesis and Characterization. Macromolecular Chemistry and Physics, 2001, 202, 3477-3483.	2.2	3

#	Article	IF	Citations
73	Influence of inter-ring bridge on the optical properties of thiophene-based oligomers. Synthetic Metals, 2000, 113, 129-133.	3.9	13
74	Synthesis, optical and electrochemical characterization of Inter-ring bridged tetramers based on thiophene. Tetrahedron, 1999, 55, 14985-14994.	1.9	25
75	Synthesis and Characterization of Conjugated Polyazines and Polyazomethines Containing the Thienylene Moiety and Flexible Hydrocarbon Side Chains. Macromolecules, 1999, 32, 353-360.	4.8	65
76	Organic Molecular Beam Deposition of Highly Oriented Î²â€Tetrahexylsexithiophene Films. Advanced Materials, 1998, 10, 931-934.	21.0	35
77	Tetrahexylsexithiophene: crystal structure and molecular mechanics calculations. Macromolecular Chemistry and Physics, 1998, 199, 1973-1979.	2.2	30
78	Preparation and characterizations of soluble regularly alternating polyazomethines from oligothienylenes. Optical Materials, 1998, 9, 411-415.	3.6	12
79	Synthesis and Characterization of 3-Hexyl Multisubstituted Thienyleneâ^'Phenylene Polyazomethines. Macromolecules, 1998, 31, 1070-1078.	4.8	32
80	3-Hexyl Tetra-Substituted Sesquithienyleneâ^'Phenylene Polyazomethines with High Molecular Weight. Mechanistic Considerations. Macromolecules, 1998, 31, 1079-1086.	4.8	74
81	Synthesis and characterization of 3-hexyl multi-substituted Î±,Ï‰-diformyl-Î±-oligothiophenes (n = 3, 6, 8). Macromolecular Chemistry and Physics, 1997, 198, 1091-1107.	2.2	16
82	Application of molecular mechanics to refine and understand the crystal structure of polythiophene and its oligomers. Macromolecular Theory and Simulations, 1997, 6, 713-727.	1.4	17
83	Crystal Structure of the Isotactic Alternate Copolymer between Carbon Monoxide and Styrene. Macromolecules, 1996, 29, 1535-1539.	4.8	34
84	The synthesis and structural characterization of a charge transfer complex of iodine and indole trimer. Synthetic Metals, 1996, 80, 309-313.	3.9	9
85	Optical waveguide fabrication using a polymeric azine containing the 3-dodecyithiophene moiety. Journal of Materials Chemistry, 1996, 6, 1319.	6.7	12
86	Synthesis, characterization and properties of a soluble polymer with a poly(phenylenevinylene) structure. Macromolecular Rapid Communications, 1996, 17, 905-911.	3.9	49
87	The thermal behaviour of poly(3-octylthienylene) synthesized by an Ni-based catalyst: DSC, optical microscopy and XRD analyses. European Polymer Journal, 1996, 32, 1097-1103.	5.4	36
88	The structure of azomethine block copolymers from X-ray powder diffraction data. Macromolecular Rapid Communications, 1995, 16, 297-303.	3.9	9
89	Thiophene containing Schiff bases oligomers and polymers. Synthesis, characterization and properties. Synthetic Metals, 1995, 72, 7-12.	3.9	27
90	Mesophase formation in ?-sexithienyl at high temperature?an X-ray diffraction study. Advanced Materials, 1993, 5, 43-45.	21.0	45

#	Article	IF	Citations
91	The thermal behaviour of low-molecular-weight poly(3-decylthiophene). Die Makromolekulare Chemie, 1993, 194, 817-827.	1.1	56
92	Scanning tunnelling microscopy investigations of self-assembled monolayers of poly(3-decyl-thiophene) on graphite. Advanced Materials for Optics and Electronics, 1993, 2, 295-299.	0.4	5
93	Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1991, 12, 9-14.	1.1	36
94	Photochemical behaviour of poly(organophosphazenes)â€”part VII. direct and sensitized photochemistry of poly[bis(4-isopropylphenoxy)]phosphazene in solution and in film. European Polymer Journal, 1989, 25, 1039-1047.	5.4	17
95	Grafting reactions onto poly(organophosphazenes). I. The case of poly[bis(4-isopropylphenoxy) phosphazene-g-polystyrene copolymers. Macromolecules, 1987, 20, 469-473.	4.8	53
96	Evidence of two different crystalline phases of isotactic trans-1,4-poly(1,3-pentadiene). An application of the Rietveld method. Macromolecules, 1986, 19, 235-239.	4.8	21
97	Soluble polyacetylene: Evidence for aggregation in solution. Die Makromolekulare Chemie Rapid Communications, 1986, 7, 471-476.	1.1	11
98	Asymmetric catalysis, Part 19 [1]- X-fay structure analysis of (renorphos)NiCl2 and (renorphos)2Ni, renorphos = trans-2.3-bis(diphenylphosphino)- bicyclo [2.2.1]heptane. Inorganica Chimica Acta, 1985, 96, 67-75.	2.4	18
99	The effect of compaction pressure on the conductivity and structure in undoped poly(1,4-phenylene) (PPP). Polymer, 1985, 26, 1628-1630.	3.8	11
100	A raman and x-ray diffraction study of the thermal cis-trans isomerization in polyacetylene. Die Makromolekulare Chemie Rapid Communications, 1983, 4, 403-409.	1.1	12
101	Synthesis and x-ray structures of cobalta-, rhodia-, and iridiacycloalkanes. Observation of novel structural features in the metallocyclopentane rings. Inorganic Chemistry, 1980, 19, 3590-3597.	4.0	27