

William Porzio

List of Publications by Year in descending order

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172457

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3440
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#	ARTICLE	IF	CITATIONS
1	Interaction of Polar and Nonpolar Polyfluorenes with Layers of Two-Dimensional Titanium Carbide (MXene): Intercalation and Pseudocapacitance. <i>Chemistry of Materials</i> , 2017, 29, 2731-2738.	6.7	170
2	Thiophene Based Europium $\hat{2}$ -Diketonate Complexes: Effect of the Ligand Structure on the Emission Quantum Yield. <i>Inorganic Chemistry</i> , 2011, 50, 5417-5429.	4.0	146
3	Toward White Light Emission through Efficient Two-Step Energy Transfer in Hybrid Nanofibers. <i>ACS Nano</i> , 2010, 4, 1409-1416.	14.6	93
4	Synthesis and electrochemical properties of 2D molybdenum vanadium carbides "solid solution MXenes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8957-8968.	10.3	90
5	3-Hexyl Tetra-Substituted Sesquithienylene~Phenylene Polyazomethines with High Molecular Weight. Mechanistic Considerations. <i>Macromolecules</i> , 1998, 31, 1079-1086.	4.8	74
6	Highly Emissive Nanostructured Thin Films of Organic Host~Guests for Energy Conversion. <i>ChemPhysChem</i> , 2009, 10, 647-653.	2.1	68
7	Synthesis and Characterization of Conjugated Polyazines and Polyazomethines Containing the Thienylene Moiety and Flexible Hydrocarbon Side Chains. <i>Macromolecules</i> , 1999, 32, 353-360.	4.8	65
8	Enhanced Vertical Concentration Gradient in Rubbed P3HT:PCBM Graded Bilayer Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1820-1823.	4.6	59
9	Synthesis and crystal structure and optical properties of fluorenic-core oligomers. <i>Journal of Materials Chemistry</i> , 2002, 12, 924-933.	6.7	57
10	The thermal behaviour of low-molecular-weight poly(3-decylthiophene). <i>Die Makromolekulare Chemie</i> , 1993, 194, 817-827.	1.1	56
11	Electroluminescent poly(fluorene-co-thiophene-S,S-dioxide): synthesis, characterisation and structure~property relationships Electronic supplementary information (ESI) available: crystal structure of model compound and comparison of its absorption and luminescence spectra. See http://www.rsc.org/suppdata/ijm/b2/b208742a/ . <i>Journal of Materials Chemistry</i> , 2003, 13, 807-813.	6.7	54
12	Grafting reactions onto poly(organophosphazenes). I. The case of poly[bis(4-isopropylphenoxy) phosphazene-g-polystyrene copolymers. <i>Macromolecules</i> , 1987, 20, 469-473.	4.8	53
13	Outstanding Chiroptical Features of Thin Films of Chiral Oligothiophenes. <i>ChemNanoMat</i> , 2018, 4, 1059-1070.	2.8	51
14	Synthesis, characterization and properties of a soluble polymer with a poly(phenylenevinylene) structure. <i>Macromolecular Rapid Communications</i> , 1996, 17, 905-911.	3.9	49
15	Structural and Thermal Behavior of Poly (3-octylthiophene): a DSC, ^{13}C MAS NMR, XRD, Photoluminescence, and Raman Scattering Study. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 2586-2591.	2.2	47
16	Highly Efficient Color-Tunable OLED Based on Poly(9,9-dioctylfluorene) Doped with a Novel Europium Complex. <i>Journal of Physical Chemistry C</i> , 2009, 113, 2290-2295.	3.1	47
17	Mesophase formation in ~sexithienyl at high temperature?an X-ray diffraction study. <i>Advanced Materials</i> , 1993, 5, 43-45.	21.0	45
18	All-Conjugated Diblock Copolymer Approach To Improve Single Layer Green Electroluminescent Devices. <i>Chemistry of Materials</i> , 2011, 23, 810-816.	6.7	41

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19	Stabilized blue emission from polyfluorene-based light-emitting diodes: The role of triphenylamine. <i>Synthetic Metals</i> , 2008, 158, 113-119.	3.9	38
20	Depth-resolved molecular structure and orientation of polymer thin films by synchrotron X-ray diffraction. <i>European Polymer Journal</i> , 2011, 47, 273-283.	5.4	38
21	Synthesis and characterization of new azomethine derivatives exhibiting liquid crystalline properties. <i>Liquid Crystals</i> , 2009, 36, 21-32.	2.2	37
22	Title is missing!. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1991, 12, 9-14.	1.1	36
23	The thermal behaviour of poly(3-octylthienylene) synthesized by an Ni-based catalyst: DSC, optical microscopy and XRD analyses. <i>European Polymer Journal</i> , 1996, 32, 1097-1103.	5.4	36
24	Organic Molecular Beam Deposition of Highly Oriented β -Tetrahexylsexithiophene Films. <i>Advanced Materials</i> , 1998, 10, 931-934.	21.0	35
25	Crystal Structure of the Isotactic Alternate Copolymer between Carbon Monoxide and Styrene. <i>Macromolecules</i> , 1996, 29, 1535-1539.	4.8	34
26	Synthesis and Characterization of 3-Hexyl Multisubstituted Thienylene- π -Phenylene Polyazomethines. <i>Macromolecules</i> , 1998, 31, 1070-1078.	4.8	32
27	Unsoluble ordered polymeric pattern by breath figure approach. <i>Journal of Materials Chemistry</i> , 2010, 20, 1483.	6.7	32
28	Tetrahexylsexithiophene: crystal structure and molecular mechanics calculations. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 1973-1979.	2.2	30
29	Novel Erbium-Substituted Oligothiophene Chelates for Infrared Emission. <i>Macromolecules</i> , 2003, 36, 273-275.	4.8	30
30	Synthesis and characterisation of fluorenone- π -thiophene-based donor-acceptor oligomers: role of moiety sequence upon packing and electronic properties. <i>New Journal of Chemistry</i> , 2010, 34, 1961.	2.8	30
31	Core-type polyfluorene-based copolymers for low-cost light-emitting technologies. <i>Organic Electronics</i> , 2010, 11, 2012-2018.	2.6	29
32	Low-Cost and Green Fabrication of Polymer Electronic Devices by Push-Coating of the Polymer Active Layers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25434-25444.	8.0	29
33	Understanding Functionalization of Titanium Carbide (MXene) with Quinones and Their Pseudocapacitance. <i>ACS Applied Energy Materials</i> , 2020, 3, 4127-4133.	5.1	29
34	Synthesis and x-ray structures of cobalta-, rhodia-, and iridiacycloalkanes. Observation of novel structural features in the metallocyclopentane rings. <i>Inorganic Chemistry</i> , 1980, 19, 3590-3597.	4.0	27
35	Thiophene containing Schiff bases oligomers and polymers. Synthesis, characterization and properties. <i>Synthetic Metals</i> , 1995, 72, 7-12.	3.9	27
36	Electrostatically Self-assembled Multilayers of Novel Symmetrical Rigid-Rod Polyanionic and Polycationic Polythiophenes on ITO/Glass and Gold Electrodes. <i>Chemistry of Materials</i> , 2004, 16, 2091-2100.	6.7	27

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37	Fluorenone-thiophene derivative for organic field effect transistors: A combined structural, morphological and electrical study. <i>Thin Solid Films</i> , 2005, 492, 212-220.	1.8	27
38	Non-Resonant Z-scan Characterization of the Third-Order Nonlinear Optical Properties of Conjugated Poly(thiophene azines). <i>ChemPhysChem</i> , 2008, 9, 2028-2034.	2.1	27
39	Effect of the silanization and annealing on the morphology of thin poly(3-hexylthiophene) (P3HT) layer on silicon oxide. <i>Surface Science</i> , 2008, 602, 3106-3115.	1.9	27
40	Polyconjugated Azomethine Layers by Sequential Condensation of α,ω -Dialdehyde-oligothiophenes and 4,4'-Diamino-diphenylenes on ITO/Glass Electrodes. <i>Chemistry of Materials</i> , 2002, 14, 4550-4557.	6.7	26
41	Probing Molecular Interactions at MXene-Organic Heterointerfaces. <i>Chemistry of Materials</i> , 2020, 32, 7884-7894.	6.7	26
42	Synthesis, optical and electrochemical characterization of Inter-ring bridged tetramers based on thiophene. <i>Tetrahedron</i> , 1999, 55, 14985-14994.	1.9	25
43	Solid state properties of oligomers containing dithienothiophene or fluorene residues suitable for field effect transistor devices. <i>Thin Solid Films</i> , 2007, 515, 7318-7323.	1.8	25
44	Bridging the gap - structure determination of the red polymorph of tetrahexylsexithiophene by Monte Carlo simulated annealing, first-principles DFT calculations and Rietveld refinement. <i>Journal of Applied Crystallography</i> , 2002, 35, 296-303.	4.5	24
45	A new soluble poly(bithiophene)-co-3,4-di(methoxycarbonyl)methyl thiophene for LED. <i>Organic Electronics</i> , 2002, 3, 149-156.	2.6	23
46	Nanoporous furfuryl-imine-chitosan fibers as a new pathway towards eco-materials for CO ₂ adsorption. <i>European Polymer Journal</i> , 2019, 120, 109214.	5.4	23
47	The Role of Triphenylamine in the Stabilization of Highly Efficient Polyfluorene-Based OLEDs: A Model Oligomers Study. <i>ChemPhysChem</i> , 2009, 10, 2143-2149.	2.1	22
48	Evidence of two different crystalline phases of isotactic trans-1,4-poly(1,3-pentadiene). An application of the Rietveld method. <i>Macromolecules</i> , 1986, 19, 235-239.	4.8	21
49	Hydrogels Based on Imino-Chitosan Amphiphiles as a Matrix for Drug Delivery Systems. <i>Polymers</i> , 2020, 12, 2687.	4.5	20
50	Structural investigation on bulk poly(3-hexylthiophene): Combined SAXS, WAXD, and AFM studies. <i>European Polymer Journal</i> , 2009, 45, 2572-2579.	5.4	19
51	Organic field-effect transistors as new paradigm for large-area molecular junctions. <i>Organic Electronics</i> , 2012, 13, 789-795.	2.6	19
52	Asymmetric catalysis, Part 19 [1]- X-ray structure analysis of (renorphos)NiCl ₂ and (renorphos) ₂ Ni, renorphos = trans-2,3-bis(diphenylphosphino)- bicyclo [2.2.1]heptane. <i>Inorganica Chimica Acta</i> , 1985, 96, 67-75.	2.4	18
53	New erbium complexes emitting in infrared region based on oligothiophene and thiophene-fluorene carboxylate. <i>Journal of Luminescence</i> , 2007, 127, 601-610.	3.1	18
54	Photochemical behaviour of poly(organophosphazenes) - part VII. direct and sensitized photochemistry of poly[bis(4-isopropylphenoxy)]phosphazene in solution and in film. <i>European Polymer Journal</i> , 1989, 25, 1039-1047.	5.4	17

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55	Application of molecular mechanics to refine and understand the crystal structure of polythiophene and its oligomers. <i>Macromolecular Theory and Simulations</i> , 1997, 6, 713-727.	1.4	17
56	In situ synthesis of fluorescent poly(norbornene)/oxazine-1 dye loaded fluoromica hybrids: supramolecular control over dye arrangement. <i>Journal of Materials Chemistry</i> , 2011, 21, 12901.	6.7	17
57	Synthesis and characterization of 3-hexyl multi-substituted β , γ -diformyl- β -oligothiophenes (n = 3, 6, 8). <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 1091-1107.	2.2	16
58	Poly(styrene)-graft-/rhodamine 6G-fluoromica hybrids: synthesis, characterization and photophysical properties. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1450.	5.5	16
59	Tris(tropolonato)phenanthroline Lanthanide(III) Complexes as Photochemical Devices. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 2370-2376.	2.0	15
60	Branched polyphenylenes and phenylene dendrimers: NMR and optical studies. <i>European Polymer Journal</i> , 2013, 49, 4224-4237.	5.4	15
61	Addition Oligomerization of Dicyclopentadiene: Reactivity of <i>endo</i> and <i>exo</i> Isomers and Postmodification. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600602.	2.2	15
62	Organic FET devices: structure-property relationship in evaporated films of three fluorenone derivatives. <i>Synthetic Metals</i> , 2004, 146, 259-263.	3.9	14
63	Field Effect Transistors with Organic Semiconductor Layers Assembled from Aqueous Colloidal Nanocomposites. <i>Langmuir</i> , 2007, 23, 2030-2036.	3.5	14
64	On the packing and the orientation of P(NDI2OD-T2) at low molecular weight. <i>European Polymer Journal</i> , 2014, 61, 172-185.	5.4	14
65	Effect of Alkyl Side Chain Length on Intra- and Intermolecular Interactions of Terthiophene-Isoindigo Copolymers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 9644-9655.	3.1	14
66	Influence of inter-ring bridge on the optical properties of thiophene-based oligomers. <i>Synthetic Metals</i> , 2000, 113, 129-133.	3.9	13
67	Transfer-printing of active layers to achieve high quality interfaces in sequentially deposited multilayer inverted polymer solar cells fabricated in air. <i>Science and Technology of Advanced Materials</i> , 2016, 17, 530-540.	6.1	13
68	A raman and x-ray diffraction study of the thermal cis-trans isomerization in polyacetylene. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1983, 4, 403-409.	1.1	12
69	Optical waveguide fabrication using a polymeric azine containing the 3-dodecylthiophene moiety. <i>Journal of Materials Chemistry</i> , 1996, 6, 1319.	6.7	12
70	Preparation and characterizations of soluble regularly alternating polyazomethines from oligothienylenes. <i>Optical Materials</i> , 1998, 9, 411-415.	3.6	12
71	Polymers, Dimers and Radical Cations from Electrochemical Oxidation of Interring-Bridged Thiophene and Thiophene-Phenylene Tetramers. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 3049-3056.	2.2	12
72	Suitability of 3,4-dialkyl substitution in molecular crystal based on thiophene-fluorenone for organic field effect transistors. <i>Synthetic Metals</i> , 2009, 159, 513-517.	3.9	12

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73	The effect of compaction pressure on the conductivity and structure in undoped poly(1,4-phenylene) (PPP). <i>Polymer</i> , 1985, 26, 1628-1630.	3.8	11
74	Soluble polyacetylene: Evidence for aggregation in solution. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1986, 7, 471-476.	1.1	11
75	Structure and morphology optimization of poly(3-hexylthiophene) thin films onto silanized silicon oxide. <i>European Polymer Journal</i> , 2012, 48, 1050-1061.	5.4	11
76	A Crystalline 2,3- <i>exo</i> -Disyndiotactic Dicyclopentadiene Tetramer. <i>Crystal Growth and Design</i> , 2014, 14, 5767-5772.	3.0	11
77	Impact of the Electron Acceptor Nature on the Durability and Nanomorphological Stability of Bulk Heterojunction Active Layers for Organic Solar Cells. <i>Small</i> , 2021, 17, e2004168.	10.0	11
78	Crystallographic structure and morphology of bithiophene-fluorene polymer nanocrystals. <i>Polymer</i> , 2011, 52, 3368-3373.	3.8	10
79	Mechanistic Understanding of the Interactions and Pseudocapacitance of Multi- π -Electron Redox Organic Molecules Sandwiched between MXene Layers. <i>Advanced Electronic Materials</i> , 2021, 7, 2001202.	5.1	10
80	The structure of azomethine block copolymers from X-ray powder diffraction data. <i>Macromolecular Rapid Communications</i> , 1995, 16, 297-303.	3.9	9
81	The synthesis and structural characterization of a charge transfer complex of iodine and indole trimer. <i>Synthetic Metals</i> , 1996, 80, 309-313.	3.9	9
82	Thiophene-fluorene oligomer films growth in ultra high vacuum for efficient energy transfer. <i>Thin Solid Films</i> , 2004, 466, 231-237.	1.8	9
83	Oligo- and polymeric FET devices: Thiophene-based active materials and their interaction with different gate dielectrics. <i>Materials Science and Engineering C</i> , 2006, 26, 996-1001.	7.3	9
84	Optical properties and photoluminescence of tetrahexyl-sexithiophene allotropes. <i>Synthetic Metals</i> , 2001, 122, 395-399.	3.9	8
85	Close Packing in Crystals of Cyanophenylene/Thienylene Derivatives. <i>Crystal Growth and Design</i> , 2006, 6, 1497-1503.	3.0	8
86	Effects of backbone modification on the linear and third order nonlinear optical properties in fluorene based copolymers. <i>Synthetic Metals</i> , 2005, 149, 123-127.	3.9	7
87	Quantum chemical prediction of antennae structures in lanthanide complexes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 146, 50-53.	3.5	7
88	Enhanced elasticity in parylene thin films by copolymerization approach. <i>Journal of Materials Science</i> , 2014, 49, 7547-7555.	3.7	6
89	Scanning tunnelling microscopy investigations of self-assembled monolayers of poly(3-decyl-thiophene) on graphite. <i>Advanced Materials for Optics and Electronics</i> , 1993, 2, 295-299.	0.4	5
90	Synthesis and Characterization of New Poly(arylene ethynylene)s Based on 3-Hexyl Multisubstituted Oligothiophene Blocks. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 2572-2580.	2.2	4

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91	Crystallization of Organic Semiconductor Molecules in Nanosized Cavities: Mechanism of Polymorphs Formation Studied by <i>in Situ</i> XRD. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12177-12183.	3.1	4
92	Micro-contact printing of poly(3-hexylthiophene) on silicon oxide: Effect of stamp stretching. <i>European Polymer Journal</i> , 2010, 46, 1660-1670.	5.4	4
93	Inverse Chirality Probe in Poly(3-alkylthiophene) Derivative. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 801-807.	2.2	4
94	Rod-Coil Block Copolymer: Fullerene Blend Water-Processable Nanoparticles: How Molecular Structure Addresses Morphology and Efficiency in NP-OPVs. <i>Nanomaterials</i> , 2022, 12, 84.	4.1	4
95	A Comb-Like Alternating Copolymer of Thiophene and Hydroxyalkylthiophene: Synthesis and Characterization. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 3477-3483.	2.2	3
96	Nanoscale structure and morphology of thin films of poly(2-chloroxylylene) synthesized by the CVD method on different liquids. <i>European Polymer Journal</i> , 2011, 47, 1725-1735.	5.4	3
97	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 Material. <i>Crystal Growth and Design</i> , 2003, 3, 257-262.	3.0	2
98	Poly(styrene)/oligo(fluorene)-intercalated fluoromica hybrids: synthesis, characterization and self-assembly. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 2450-2458.	2.8	2
99	Doped thin films of two organic molecules for light-emitting diodes. <i>Applied Physics Letters</i> , 2003, 83, 4318-4320.	3.3	1
100	X-ray diffraction studies of the structure and orientations of thiophene and fluorenone based molecule. <i>Thin Solid Films</i> , 2006, 514, 334-340.	1.8	1
101	2,3-exo-Diheterotactic Dicyclopentadiene Oligomers: An X-ray Powder Diffraction Study of a Challenging Multiphase Case. <i>Chemistry of Materials</i> , 2019, 31, 6650-6664.	6.7	1