Mark F Wyatt

List of Publications by Year
in descending order

27	1,141	516710 16	526287 27
papers	citations	h-index	g-index

28	28	28	2011
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Efficient, â€œBurn inâ€•Free Organic Solar Cell Employing a Nonfullerene Electron Acceptor. Advanced Materials, 2017, 29, 1701156.	21.0	175
2	Design of Polymeric Stabilizers for Size-Controlled Synthesis of Monodisperse Gold Nanoparticles in Water. Langmuir, 2007, 23, 885-895.	3.5	158
3	The role of fullerenes in the environmental stability of polymer:fullerene solar cells. Energy and Environmental Science, 2018, 11, 417-428.	30.8	117
4	Twist and Degradeâ€”Impact of Molecular Structure on the Photostability of Nonfullerene Acceptors and Their Photovoltaic Blends. Advanced Energy Materials, 2019, 9, 1803755.	19.5	95
5	Kinetics of Enzymatic Ring-Opening Polymerization of Îµ-Caprolactone in Supercritical Carbon Dioxide. Macromolecules, 2006, 39, 7967-7972.	4.8	83
6	Toward Improved Environmental Stability of Polymer:Fullerene and Polymer:Nonfullerene Organic Solar Cells: A Common Energetic Origin of Light- and Oxygen-Induced Degradation. ACS Energy Letters, 2019, 4, 846-852.	17.4	71
7	One-Step Chemoenzymatic Synthesis of Poly(Îµ-caprolactone-block-methyl methacrylate) in Supercritical CO2. Macromolecules, 2006, 39, 5352-5358.	4.8	65
8	Characterization of Various Analytes Using Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry and 2-[(2E)-3-(4-tert-Butylphenyl)-2-methylprop-2- enylidene]malononitrile Matrix. Analytical Chemistry, 2006, 78, 199-206.	6.5	63
9	Synthesis of amphiphilic sulfonamide halogenated porphyrins: MALDI-TOFMS characterization and evaluation of 1-octanol/water partition coefficients. Tetrahedron, 2008, 64, 5132-5138.	1.9	45
10	Analysis of various organic and organometallic compounds using nanostructure-assisted laser desorption/ionization time-of-flight mass spectrometry (NALDI-TOFMS). Journal of the American Society for Mass Spectrometry, 2010, 21, 1256-1259.	2.8	41
11	Visualizing Cholesterol in the Brain by On-Tissue Derivatization and Quantitative Mass Spectrometry Imaging. Analytical Chemistry, 2021, 93, 4932-4943.	6.5	38
12	A ruthenium(<scp>ii</scp>) bis(phosphinophosphinine) complex as a precatalyst for transfer-hydrogenation and hydrogen-borrowing reactions. Dalton Transactions, 2017, 46, 6172-6176.	3.3	35
13	MALDIâ€TOFMS analysis of coordination and organometallic complexes: a nic(h)e area to work in. Journal of Mass Spectrometry, 2011, 46, 712-719.	1.6	28
14	Analysis of transitionâ€metal acetylacetonate complexes by matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 11-18.	1.5	26
15	The development of poly(dendrimer)s for advanced processing. Polymer Chemistry, 2010, 1, 730.	3.9	24
16	Investigation of Solvent-Free MALDI-TOFMS Sample Preparation Methods for the Analysis of Organometallic and Coordination Compounds. Analytical Chemistry, 2009, 81, 543-550.	6.5	19
17	Strategies for the analysis of poly(methacrylic acid) by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Journal of the American Society for Mass Spectrometry, 2007, 18, 1507-1510.	2.8	14
18	Investigation into accurate mass capability of matrix-assisted laser desorption/ionization time-of-flight mass spectrometry, with respect to radical ion species. Journal of the American Society for Mass Spectrometry, 2006, 17, 672-675.	2.8	9

#	Article	IF	Citations
19	Carbohydrate globules: molecular asterisk-cored dendrimers for carbohydrate presentation. Polymer Chemistry, 2014, 5, 1173-1179.	3.9	8
20	Characterisation of organometallic and coordination compounds by solvent-free matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry. Analyst, The, 2008, 133, 47-48.	3.5	6
21	Analysis of large historical accurate mass data sets on sector mass spectrometers. Rapid Communications in Mass Spectrometry, 2009, 23, 3484-3487.	1.5	5
22	Accurate mass measurement by matrixâ€assisted laser desorption/ionisation timeâ€ofâ€flight mass spectrometry. I. Measurement of positive radical ions using porphyrin standard reference materials. Rapid Communications in Mass Spectrometry, 2010, 24, 1629-1635.	1.5	4
23	Epoxidation of strained alkenes catalysed by (1,2-dimethyl-4(1H)pyridinone-3-olate)2MnIIICl. Journal of Molecular Catalysis A, 2015, 398, 376-390.	4.8	4
24	Novel soluble thieno[3,2-b]thiophene fused porphyrazine. RSC Advances, 2015, 5, 90645-90650.	3.6	3
25	Indium Triflate Mediated Synthesis of meso-Substituted Porphyrins. Synlett, 2008, 2008, 1953-1956.	1.8	2
26	Relationship between molecular properties and degradation mechanisms of organic solar cells based on bis-adducts of phenyl-C₆₁butyric acid methyl ester. Journal of Materials Chemistry C, 2022, 10, 7875-7885.	5.5	2
27	Accurate mass measurement by matrixâ€assisted laser desorption/ionisation timeâ€ofâ€flight mass spectrometry. II. Measurement of negative radical ions using porphyrin and fullerene standard reference materials. Rapid Communications in Mass Spectrometry, 2010, 24, 3052-3056.	1.5	1