

Peter Adriaensens

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231
papers

4,385
citations

35
h-index

51
g-index

243
ext. papers

4,845
ext. citations

4.5
avg, IF

5.15
L-index

#	Paper	IF	Citations
231	Protein engineering for directed immobilization. <i>Bioconjugate Chemistry</i> , 2013 , 24, 1761-77	6.3	135
230	Efficient formation, isolation and characterization of poly(3-alkylthiophene) nanofibres: probing order as a function of side-chain length. <i>Journal of Materials Chemistry</i> , 2009 , 19, 5424		117
229	Synthesis of sequence controlled acrylate oligomers via consecutive RAFT monomer additions. <i>Chemical Communications</i> , 2013 , 49, 10358-10360	5.8	96
228	Influence of Fullerene Ordering on the Energy of the Charge-Transfer State and Open-Circuit Voltage in Polymer:Fullerene Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10873-10880	3.8	88
227	Neurovascularization of the anterior jaw bones revisited using high-resolution magnetic resonance imaging. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2007 , 103, 683-93		88
226	Polymers for colon specific drug delivery. <i>Journal of Controlled Release</i> , 1996 , 39, 327-338	11.7	79
225	Macro- and micro-anatomical, histological and computed tomography scan characterization of the nasopalatine canal. <i>Journal of Clinical Periodontology</i> , 2009 , 36, 598-603	7.7	78
224	Low-bandgap conjugated polymers. A joint experimental and theoretical study of the structure of polyisothianaphthene. <i>Macromolecules</i> , 1992 , 25, 7347-7356	5.5	77
223	Synthesis of sequence-defined acrylate oligomers photo-induced copper-mediated radical monomer insertions. <i>Chemical Science</i> , 2015 , 6, 5753-5761	9.4	75
222	In-line NIR spectroscopy for the understanding of polymer-drug interaction during pharmaceutical hot-melt extrusion. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 81, 230-7	5.7	74
221	Synthesis of poly(p-phenylene vinylene) materials via the precursor routes. <i>Polymer Chemistry</i> , 2012 , 3, 275-285	4.9	71
220	Micellar Polymers with Hydrocarbon and Fluorocarbon Hydrophobic Chains. A Strategy to Multicompartment Micelles. <i>Macromolecules</i> , 2002 , 35, 1091-1101	5.5	69
219	New Synthesis of a Soluble High Molecular Weight Poly(arylene vinylene): Poly[2-methoxy-5-(3,7-dimethyloctyloxy)-p-phenylene vinylene]. Polymerization and Device Properties. <i>Macromolecules</i> , 1999 , 32, 6517-6525	5.5	62
218	Organic solvent nanofiltration with Grignard functionalised ceramic nanofiltration membranes. <i>Journal of Membrane Science</i> , 2014 , 454, 496-504	9.6	61
217	Fully quantitative carbon-13 NMR characterization of resol phenol-formaldehyde prepolymer resins. <i>Polymer</i> , 2004 , 45, 33-38	3.9	56
216	Identification and Quantification of Polymerization Defects in ¹³ C-Labeled Sulfinyl and Gilch OC1C10BPV by NMR Spectroscopy. <i>Macromolecules</i> , 2003 , 36, 5613-5622	5.5	56
215	Investigation of melamine-formaldehyde cure by Fourier transform Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 1993 , 6, 55-69	2.1	56

214	Formulation of itraconazole nanococrystals and evaluation of their bioavailability in dogs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014 , 87, 107-13	5.7	52
213	NMR study of the nanomorphology in thin films of polymer blends used in organic PV devices: MDMO-PPV/PCBM. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 138-145	2.5	51
212	Development and characterization of mucoadhesive chitosan films for ophthalmic delivery of cyclosporine A. <i>International Journal of Pharmaceutics</i> , 2014 , 472, 10-9	6.5	50
211	Kinetic Monte Carlo Modeling of the Sulfinyl Precursor Route for Poly(p-phenylene vinylene) Synthesis. <i>Macromolecules</i> , 2011 , 44, 8716-8726	5.5	50
210	Flash pyrolysis of rapeseed cake: Influence of temperature on the yield and the characteristics of the pyrolysis liquid. <i>Journal of Analytical and Applied Pyrolysis</i> , 2011 , 90, 118-125	6	44
209	Grignard Reactions on Ortho Dicarboxylic Arene Derivatives. Synthesis of 1,3-Dithienylisothianaphthene Compounds. <i>Journal of Organic Chemistry</i> , 1997 , 62, 1473-1480	4.2	44
208	Development of starch-based pellets via extrusion/spheronisation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007 , 66, 83-94	5.7	43
207	The Metabolic Landscape of Lung Cancer: New Insights in a Disturbed Glucose Metabolism. <i>Frontiers in Oncology</i> , 2019 , 9, 1215	5.3	41
206	Degradation of the Formamidinium Cation and the Quantification of the Formamidinium/Methylammonium Ratio in Lead Iodide Hybrid Perovskites by Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 4117-4124	3.8	41
205	A recognisable behavioural phenotype associated with terminal deletions of the short arm of chromosome 8. <i>American Journal of Medical Genetics Part A</i> , 1997 , 74, 515-20		41
204	Quantitative magnetic resonance imaging study of water uptake by polyamide 4,6. <i>Polymer</i> , 2001 , 42, 7943-7952	3.9	40
203	Detection of Lung Cancer through Metabolic Changes Measured in Blood Plasma. <i>Journal of Thoracic Oncology</i> , 2016 , 11, 516-23	8.9	40
202	Glutamine Addiction and Therapeutic Strategies in Lung Cancer. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	40
201	Optimization of the Polymerization Process of Sulfinyl Precursor Polymers toward Poly(p-phenylenevinylene). <i>Macromolecules</i> , 1999 , 32, 5728-5735	5.5	39
200	Study of Solvent Diffusion in Polymeric Materials Using Magnetic Resonance Imaging. <i>Macromolecules</i> , 1995 , 28, 8541-8547	5.5	39
199	Comparison of the electrical characteristics of four 2,5-substituted poly(p-phenylene vinylene) derivatives with different side chains. <i>Thin Solid Films</i> , 2006 , 511-512, 328-332	2.2	38
198	Highly Selective Route for Producing Unsymmetrically Substituted Monomers toward Synthesis of Conjugated Polymers Derived from Poly(p-phenylene vinylene). <i>Journal of Organic Chemistry</i> , 1999 , 64, 3106-3112	4.2	38
197	Quantitative carbon-13 solid-state n.m.r. and FT-Raman spectroscopy in novolac resins. <i>Polymer</i> , 1998 , 39, 5293-5300	3.9	35

196	Comparative Morphological Study of Poly(dioxolane)/Poly(methyl methacrylate) Segmented Networks and Blends by ^{13}C Solid-State NMR and Thermal Analysis. <i>Macromolecules</i> , 2002 , 35, 3965-3970	5.5	35
195	Convenient synthesis and polymerization of 5,6-disubstituted dithiophthalides toward soluble poly(isothianaphthene): An initial spectroscopic characterization of the resulting low-band-gap polymers. <i>Journal of Polymer Science Part A</i> , 2003 , 41, 1034-1045	2.5	34
194	Visualisation of the kinetics of macrophage infiltration during experimental autoimmune encephalomyelitis by magnetic resonance imaging. <i>Journal of Neuroimmunology</i> , 2008 , 195, 1-6	3.5	33
193	A joined theoretical-experimental investigation on the ^1H and ^{13}C NMR signatures of defects in poly(vinyl chloride). <i>Journal of Physical Chemistry B</i> , 2008 , 112, 14804-18	3.4	32
192	The synthesis of regio-regular poly(3-alkyl-2,5-thienylene vinylene) derivatives using lithium bis(trimethylsilyl)amide (LHMDS) in the dithiocarbamate precursor route. <i>Solar Energy Materials and Solar Cells</i> , 2007 , 91, 1026-1034	6.4	32
191	Thermomechanical properties of thin organosilicate glass films treated with ultraviolet-assisted cure. <i>Acta Materialia</i> , 2007 , 55, 1407-1414	8.4	32
190	Polymerization Mechanism of 1-[(Butylsulfi(o)nyl)methyl]-4-(halomethyl)benzene: The Effect of Polarizer and Leaving Group. <i>Macromolecules</i> , 1998 , 31, 4426-4431	5.5	30
189	An efficient protocol towards site-specifically clickable nanobodies in high yield: cytoplasmic expression in <i>Escherichia coli</i> combined with intein-mediated protein ligation. <i>Protein Engineering, Design and Selection</i> , 2015 , 28, 351-63	1.9	29
188	Interfacial thiol-isocyanate reactions for functional nanocarriers: a facile route towards tunable morphologies and hydrophilic payload encapsulation. <i>Chemical Communications</i> , 2015 , 51, 15858-15861	5.8	29
187	Relation between synthesis conditions, dopant position and charge carriers in aluminium-doped ZnO nanoparticles. <i>RSC Advances</i> , 2013 , 3, 15254	3.7	29
186	Femoral neck trabecular microstructure in ovariectomized ewes treated with calcitonin: MRI microscopic evaluation. <i>Journal of Bone and Mineral Research</i> , 2005 , 20, 125-30	6.3	29
185	Use of Magnetic Resonance Imaging To Study Transport of Methanol in Poly(methyl methacrylate) at Variable Temperature. <i>Macromolecules</i> , 1996 , 29, 5671-5677	5.5	28
184	Microwave assisted and conventional pyrolysis of MDF [Characterization of the produced biochars. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019 , 138, 218-230	6	28
183	Factors Influencing the Conductivity of Aqueous Sol(ution)Gel-Processed Al-Doped ZnO Films. <i>Chemistry of Materials</i> , 2014 , 26, 5839-5851	9.6	27
182	Direct arylation as a versatile tool towards thiazolo[5,4-d]thiazole-based semiconducting materials. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 4663-72	3.9	27
181	Modeling the morphology and mechanical behavior of shape memory polyurethanes based on solid-state NMR and synchrotron SAXS/WAXD. <i>Journal of Materials Chemistry</i> , 2010 , 20, 3475		27
180	Low-Band-Gap Conjugated Polymers. Improved Model Compounds for the Structural Analysis of Poly(isothianaphthene). <i>Macromolecules</i> , 1995 , 28, 4961-4969	5.5	27
179	Microanatomical and histological assessment of the content of superior genial spinal foramen and its bony canal. <i>Dentomaxillofacial Radiology</i> , 2005 , 34, 362-8	3.9	26

178	Gas Permeability Properties of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). <i>Journal of Polymers and the Environment</i> , 2014 , 22, 501-507	4.5	25
177	Phenotyping human blood plasma by 1H-NMR: a robust protocol based on metabolite spiking and its evaluation in breast cancer. <i>Metabolomics</i> , 2015 , 11, 225-236	4.7	25
176	Kinetic and Mechanistic Study on p-Quinodimethane Formation in the Sulfinyl Precursor Route for the Polymerization of Poly(p-phenylenevinylene) (PPV). <i>Macromolecules</i> , 2010 , 43, 7424-7433	5.5	25
175	A new method to graft titania using Grignard reagents. <i>Chemical Communications</i> , 2013 , 49, 6998-7000	5.8	24
174	Prilling of fatty acids as a continuous process for the development of controlled release multiparticulate dosage forms. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 85, 587-597	5.7	24
173	A novel explanation for the increased conductivity in annealed Al-doped ZnO: an insight into migration of aluminum and displacement of zinc. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 27866-27877	2.6	23
172	Novel cross-linked polystyrenes with large space network as tailor-made catalyst supports for sustainable media. <i>European Polymer Journal</i> , 2015 , 73, 391-401	5.2	23
171	Water content of pyrolysis oil: Comparison between Karl Fischer titration, GC/MS-corrected azeotropic distillation and 1H NMR spectroscopy. <i>Journal of Analytical and Applied Pyrolysis</i> , 2011 , 90, 100-105	6	23
170	Description of the nanostructured morphology of [6,6]-phenyl-C61 -butyric acid methyl ester (PCBM) by XRD, DSC and solid-state NMR. <i>Magnetic Resonance in Chemistry</i> , 2011 , 49, 242-7	2.1	23
169	A three-step synthetic approach to asymmetrically functionalized 4H-cyclopenta[2,1-b:3,4-b']dithiophenes. <i>Journal of Organic Chemistry</i> , 2010 , 75, 7202-9	4.2	23
168	Influence of preanalytical sampling conditions on the 1H NMR metabolic profile of human blood plasma and introduction of the Standard PREanalytical Code used in biobanking. <i>Metabolomics</i> , 2015 , 11, 1197-1207	4.7	22
167	The impact of hot-melt extrusion on the tableting behaviour of polyvinyl alcohol. <i>International Journal of Pharmaceutics</i> , 2016 , 498, 254-62	6.5	22
166	Solid state NMR study of segmented polymer networks: fine-tuning of phase morphology via their molecular design. <i>Polymer</i> , 2004 , 45, 7943-7951	3.9	22
165	An investigation into the electronic structure of poly(isothianaphthene). <i>Synthetic Metals</i> , 1992 , 51, 219-228	3.8	22
164	Metabolic phenotyping of human blood plasma: a powerful tool to discriminate between cancer types?. <i>Annals of Oncology</i> , 2016 , 27, 178-84	10.3	21
163	V6O13 films by control of the oxidation state from aqueous precursor to crystalline phase. <i>Dalton Transactions</i> , 2013 , 42, 959-68	4.3	21
162	Exploring the Dithiocarbamate Precursor Route: Observation of a Base Induced Regioregularity Excess in Poly[(2-methoxy-5-(3,7-dimethyloctyloxy))-1,4-phenylenevinylene] (MDMOBPV). <i>Macromolecules</i> , 2009 , 42, 3661-3668	5.5	21
161	Influence of octanedithiol on the nanomorphology of PCPDTBT:PCBM blends studied by solid-state NMR. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 96, 210-217	6.4	20

160	A joined theoretical/experimental investigation on the ¹ H and ¹³ C NMR chemical shifts of chloro-alkenes. <i>Chemical Physics Letters</i> , 2007 , 436, 388-393	2.5	20
159	Improved quantitative solution state ¹³ C NMR analysis of ethylene-1-octene copolymers. <i>Polymer</i> , 2003 , 44, 3483-3489	3.9	20
158	Synthesis, characterization and catalytic activity of novel large network polystyrene-immobilized organic bases. <i>RSC Advances</i> , 2015 , 5, 107200-107208	3.7	19
157	Study of the water uptake of polyamide 46 based copolymers by magnetic resonance imaging relaxometry. <i>Polymer</i> , 2004 , 45, 2465-2473	3.9	19
156	Density functional theory investigation of the stereochemistry effects on ¹ H and ¹³ C NMR chemical shifts of poly(vinyl chloride) oligomers. <i>Chemical Physics Letters</i> , 2005 , 411, 207-213	2.5	19
155	Relationships between Microvoid Heterogeneity and Physical Properties in Cross-Linked Elastomers: An NMR Imaging Study. <i>Macromolecules</i> , 2000 , 33, 7116-7121	5.5	19
154	The microanatomical environment of the subthalamic nucleus. Technical note. <i>Journal of Neurosurgery</i> , 2007 , 107, 198-201	3.2	18
153	The thermal conversion reaction of sulphonyl substituted poly(para-xylylene): evidence for the formation of PPV structures. <i>Polymer</i> , 2002 , 43, 5749-5755	3.9	18
152	Spectroscopic Investigation of the Formation and Disruption of Hydrogen Bonds in Pharmaceutical Semicrystalline Dispersions. <i>Molecular Pharmaceutics</i> , 2017 , 14, 1726-1741	5.6	17
151	Metabolic profiling of type 1 diabetes mellitus in children and adolescents: a case-control study. <i>Diabetology and Metabolic Syndrome</i> , 2017 , 9, 48	5.6	17
150	Solid state solubility of miconazole in poly[(ethylene glycol)-g-vinyl alcohol] using hot-melt extrusion. <i>Molecular Pharmaceutics</i> , 2012 , 9, 2924-32	5.6	17
149	Correlation of postmortem 9.4 tesla magnetic resonance imaging and immunohistopathology of the human thoracic spinal cord 7 months after traumatic cervical spine injury. <i>Neurosurgery</i> , 2006 , 59, 671-8; discussion 671-8	3.2	17
148	Correlation between the molecular morphology and the biocompatibility of bioadhesive carriers prepared from spray-dried starch/Carbopol blends. <i>Polymer</i> , 2005 , 46, 2338-2345	3.9	17
147	Synthesis of electron-rich versus electron-poor poly[[1,4-phenylene]-[1-(n-alkylsulfinyl)ethylene]]s via the sulfinyl precursor route in different organic solvents. <i>Polymer</i> , 2000 , 41, 7003-7009	3.9	17
146	Demonstration of methylene-ether bridge formation in melamine-formaldehyde resins. <i>Journal of Polymer Science Part A</i> , 1995 , 33, 915-920	2.5	17
145	Elucidating Batch-to-Batch Variation Caused by Homocoupled Side Products in Solution-Processable Organic Solar Cells. <i>Chemistry of Materials</i> , 2016 , 28, 9088-9098	9.6	17
144	Chemical and structural modifications in a 193-nm photoresist after low-k dry etch. <i>Thin Solid Films</i> , 2008 , 516, 3454-3459	2.2	16
143	NMR Imaging Study of Stress-Induced Material Response in Rubber Modified Polyamide 6. <i>Macromolecules</i> , 2002 , 35, 135-140	5.5	16

142	The synthesis of poly(4,4'-biphenylene vinylene) and poly(2,6-naphthalene vinylene) via a radical chain polymerisation. <i>Polymer</i> , 2000 , 41, 2743-2753	3.9	16
141	The elimination process of sulfinyl-precursor polymers towards poly(p-phenylene vinylene). Methods for monitoring elimination. <i>Acta Polymerica</i> , 1999 , 50, 28-34		16
140	Charge-Discharge Characteristics of Textile Energy Storage Devices Having Different PEDOT:PSS Ratios and Conductive Yarns Configuration. <i>Polymers</i> , 2019 , 11,	4.5	15
139	Prognostic value of total lesion glycolysis and metabolic active tumor volume in non-small cell lung cancer. <i>Cancer Treatment and Research Communications</i> , 2018 , 15, 7-12	2	15
138	Aqueous citrato-oxovanadate(IV) precursor solutions for VO ₂ : synthesis, spectroscopic investigation and thermal analysis. <i>Dalton Transactions</i> , 2014 , 43, 12614-23	4.3	15
137	Actuated conformational switching in a single crystal of a homodithiacalix[4]arene. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10237-40	16.4	15
136	Binding modes of phosphonic acid derivatives adsorbed on TiO ₂ surfaces: Assignments of experimental IR and NMR spectra based on DFT/PBC calculations. <i>Surface Science</i> , 2017 , 655, 31-38	1.8	15
135	Comparative Kinetic Monte Carlo study of the Sulfinyl and Dithiocarbamate Precursor Route toward Highly Regioregular MDMO-PPV. <i>Macromolecular Theory and Simulations</i> , 2013 , 22, 246-255	1.5	15
134	Synthesis, ¹ H and ¹³ C NMR assignment and electrochemical properties of novel thiophene-thiazolothiazole oligomers and polymers. <i>Magnetic Resonance in Chemistry</i> , 2010 , 48, 362-9	2.1	15
133	Enhanced Biosensor Platforms for Detecting the Atherosclerotic Biomarker VCAM1 Based on Bioconjugation with Uniformly Oriented VCAM1-Targeting Nanobodies. <i>Biosensors</i> , 2016 , 6,	5.9	15
132	Identification of metabolic phenotypes in childhood obesity by ¹ H NMR metabolomics of blood plasma. <i>Future Science OA</i> , 2018 , 4, FSO310	2.7	14
131	Electronic structure of positive and negative polarons in functionalized dithienylthiazolo[5,4-d]thiazoles: a combined EPR and DFT study. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 10032-40	3.6	14
130	Influence of the processing solvent on the photoactive layer nanomorphology of P3HT/PC60BM solar cells. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 1037-1041	2.5	14
129	Tracking of myelin-reactive T cells in experimental autoimmune encephalomyelitis (EAE) animals using small particles of iron oxide and MRI. <i>NMR in Biomedicine</i> , 2010 , 23, 601-9	4.4	14
128	Deformation of the cervicomedullary junction and spinal cord in a surgically treated adult Chiari I hindbrain hernia associated with syringomyelia: a magnetic resonance microscopic and neuropathological study. Case report. <i>Journal of Neurosurgery</i> , 1996 , 85, 701-8	3.2	14
127	All-Wet Strip Approaches for Post-Etch Photoresist Layers After Low-K Patterning. <i>ECS Transactions</i> , 2007 , 11, 177-187	1	14
126	Investigation of protein structure by means of ¹⁹ F-NMR. A study of hen egg-white lysozyme. <i>FEBS Journal</i> , 1988 , 177, 383-94		14
125	Crosslinked poly[1-(trimethylsilyl)-1-propyne] membranes: Characterization and pervaporation of aqueous tetrahydrofuran mixtures. <i>Journal of Membrane Science</i> , 2012 , 389, 459-469	9.6	13

124	Structural modifications of polymethacrylates: impact on thermal behavior and release characteristics of glassy solid solutions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 85, 1206-14	5.7	13
123	Effect on the nasal bioavailability of co-processing drug and bioadhesive carrier via spray-drying. <i>International Journal of Pharmaceutics</i> , 2009 , 379, 67-71	6.5	13
122	2,5-Substituted PPV-Derivatives with Different Polarities: The Effect of Side Chain Polarity on Solubility, Optical and Electronic Properties. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 196-206	2.6	13
121	Nanocapsules with stimuli-responsive moieties for controlled release employing light and enzymatic triggers. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 2103-2112	7.8	13
120	Cytoplasmic versus periplasmic expression of site-specifically and bioorthogonally functionalized nanobodies using expressed protein ligation. <i>Protein Expression and Purification</i> , 2017 , 133, 25-34	2	12
119	Morphological study of a poly(3,4-ethylenedioxythiophene)/polystyrenesulfonic acid mixture by solid state ¹³ C-CP/MAS NMR relaxometry. <i>Polymer</i> , 2002 , 43, 7003-7006	3.9	12
118	PEEK Oligomers as Physical Model Compounds for the Polymer. 4. Lamellar Microstructure and Chain Dynamics.. <i>Macromolecules</i> , 2000 , 33, 562-568	5.5	12
117	Development and Optimization of Fast Quantitative Carbon-13 NMR Characterization Methods of Novolac Resins. <i>Industrial & Engineering Chemistry Research</i> , 1995 , 34, 1364-1370	3.9	12
116	High field magnetic resonance imaging of normal and pathologic human medulla oblongata. <i>The Anatomical Record</i> , 1994 , 238, 277-86		12
115	Microanatomy of the excised human spinal cord and the cervicomedullary junction examined with high-resolution MR imaging at 9.4 Tesla. <i>American Journal of Neuroradiology</i> , 1993 , 14, 699-707	4.4	12
114	Revealing the influence of the solvent in combination with temperature, concentration and pH on the modification of TiO ₂ with 3PA. <i>Materials Chemistry and Physics</i> , 2016 , 184, 324-334	4.4	12
113	Metabolic phenotyping of human plasma by H-NMR at high and medium magnetic field strengths: a case study for lung cancer. <i>Magnetic Resonance in Chemistry</i> , 2017 , 55, 706-713	2.1	11
112	Designing Small Molecule Organic Solar Cells with High Open-Circuit Voltage. <i>ChemistrySelect</i> , 2017 , 2, 1253-1261	1.8	11
111	Charge transfer in the weak driving force limit in blends of MDMO-PPV and dithienylthiazolo[5,4-d]thiazoles towards organic photovoltaics with high V(OC). <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 15774-84	3.6	11
110	Solid-state NMR as a tool to describe and quantify the morphology of photoactive layers used in plastic solar cells. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 1699-1707	2.5	11
109	An Efficient Acid-Induced Conversion of Dithiocarbamate Precursor Polymers into Conjugated Materials. <i>Macromolecules</i> , 2011 , 44, 711-718	5.5	11
108	Study of the thermal elimination process of sulphinyl-based PPV precursors by solid state NMR. <i>Polymer</i> , 2005 , 46, 1759-1765	3.9	11
107	Visualization of Tensile Stress Induced Material Response at a Crack Tip in Polymers under Critical Load by NMR Imaging. <i>Macromolecules</i> , 2000 , 33, 4836-4841	5.5	11

106	Scope and limitations of a new highly selective synthesis of unsymmetrical monomers for the synthesis of precursors toward poly(arylenevinylene)s. <i>Journal of Organic Chemistry</i> , 2000 , 65, 284-9	4.2	11
105	Qualitative and Quantitative Analysis of Solid State Free Induction Decay (1H NMR) Curves Using a Combination of the Methods of Gardner and Prony: Isotactic Polypropylene as a Case Study. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 1393-1401	3.4	11
104	Stearic acid and high molecular weight PEO as matrix for the highly water soluble metoprolol tartrate in continuous twin-screw melt granulation. <i>International Journal of Pharmaceutics</i> , 2016 , 512, 158-167	6.5	11
103	Muconic acid esters as bio-based acrylate mimics. <i>Polymer Chemistry</i> , 2019 , 10, 5555-5563	4.9	11
102	Dynamics of the phospholipid shell of microbubbles: a fluorescence photoselection and spectral phasor approach. <i>Chemical Communications</i> , 2018 , 54, 4854-4857	5.8	10
101	A validated inductively coupled plasma mass spectrometry (ICP-MS) method for the quantification of total platinum content in plasma, plasma ultrafiltrate, urine and peritoneal fluid. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 152, 39-46	3.5	10
100	Functionalized Dithienylthiazolo[5,4-d]thiazoles For Solution-Processable Organic Field-Effect Transistors. <i>ChemPlusChem</i> , 2012 , 77, 923-930	2.8	10
99	Identification and Quantification of Defect Structures in Poly(2,5-thienylene vinylene) Derivatives Prepared via the Dithiocarbamate Precursor Route by Means of NMR Spectroscopy on ¹³ C-Labeled Polymers. <i>Macromolecules</i> , 2011 , 44, 4711-4720	5.5	10
98	Synthesis of poly(isothianaphthene) from 1,1,3,3-tetrachlorothiophthalan and tert-butylmercaptan: mechanism and quantitative analysis by solid state n.m.r.. <i>Polymer</i> , 1997 , 38, 5221-5225	3.9	10
97	A highly efficient route towards well-defined modifications of poly(p-phenylene vinylene). <i>Acta Polymerica</i> , 1998 , 49, 510-513		10
96	New mechanistic aspects on the formation of poly(isothianaphthene) from P 4 S 10 and phthalic anhydride derivatives: carbon-carbon bond formation and cleavage via a cyclic reaction mechanism. <i>Polymer</i> , 2000 , 41, 3121-3127	3.9	10
95	¹ H NMR Relaxation Study of the Gelation of Syndiotactic Poly(methyl methacrylate) in Toluene. <i>Macromolecules</i> , 2001 , 34, 522-528	5.5	10
94	Improving selectivity by using a multipurpose cross polarization magic angle spinning NMR pulse sequence. <i>Analytica Chimica Acta</i> , 1993 , 283, 1025-1031	6.6	10
93	Morphology-dependent pH-responsive release of hydrophilic payloads using biodegradable nanocarriers.. <i>RSC Advances</i> , 2018 , 8, 36869-36878	3.7	10
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