

Peter Adriaensens

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Low-field benchtop versus high-field NMR for routine ³¹ P analysis of lignin, a comparative study. <i>Industrial Crops and Products</i> , 2022 , 176, 114405	5.9	2
230	Unraveling the Rewired Metabolism in Lung Cancer Using Quantitative NMR Metabolomics. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5602	6.3	2
229	Direct Immobilization of Engineered Nanobodies on Gold Sensors. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 17353-17360	9.5	3
228	The effect of copolymerization of cyclic dioxolane moieties on polyamide properties. <i>Polymer</i> , 2021 , 226, 123799	3.9	1
227	Dielectric Barrier Discharge (DBD) Plasma Coating of Sulfur for Mitigation of Capacity Fade in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28072-28089	9.5	3
226	PEGylating poly(p-phenylene vinylene)-based bioimaging nanoprobe. <i>Journal of Colloid and Interface Science</i> , 2021 , 581, 566-575	9.3	2
225	The polymeric glyco-linker controls the signal outputs for plasmonic gold nanorod biosensors due to biocorona formation. <i>Nanoscale</i> , 2021 , 13, 10837-10848	7.7	8
224	Plausibility and redundancy analysis to select FDG-PET textural features in non-small cell lung cancer. <i>Medical Physics</i> , 2021 , 48, 1226-1238	4.4	6
223	Detection of Lung Cancer via Blood Plasma and H-NMR Metabolomics: Validation by a Semi-Targeted and Quantitative Approach Using a Protein-Binding Competitor. <i>Metabolites</i> , 2021 , 11,	5.6	3
222	Biochar from raw and spent common ivy: Impact of preprocessing and pyrolysis temperature on biochar properties. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021 , 159, 105294	6	2
221	Experimental and computational insights into the aminopropylphosphonic acid modification of mesoporous TiO ₂ powder: The role of the amine functionality on the surface interaction and coordination. <i>Applied Surface Science</i> , 2021 , 566, 150625	6.7	4
220	Infrared thermography: A new approach for the characterization and management of activated carbons applied in water treatment. <i>Chemical Engineering Science</i> , 2021 , 246, 116881	4.4	
219	Repeatability of two semi-automatic artificial intelligence approaches for tumor segmentation in PET. <i>EJNMMI Research</i> , 2021 , 11, 4	3.6	7
218	A convolutional neural networks approach using X-Ray absorption images for studying granular activated carbon. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	2
217	The effect of halogenation on PBDTT-TQxT based non-fullerene polymer solar cells [Chlorination vs fluorination. <i>Dyes and Pigments</i> , 2020 , 181, 108577	4.6	7
216	Phase Behavior in the Active Layer of Small Molecule Organic Photovoltaics: State Diagram of p-DTS(FBTTh ₂) ₂ :PC71BM. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 7566-7577	3.8	1
215	Monitoring Variations in Thermal Curing of Nanoparticle Coatings through Confocal Raman Microscopy and Principal Component Analysis. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020 , 217, 1900651	1.6	1

214	An Efficient Thermal Elimination Pathway toward Phosphodiester Hydrogels via a Precursor Approach. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 1900466	2.6	2
213	Sequence-defined nucleobase containing oligomers via reversible addition-fragmentation chain transfer single monomer addition. <i>Polymer Chemistry</i> , 2020 , 11, 2027-2033	4.9	5
212	X-ray Absorption (XRA): A New Technique for the Characterization of Granular Activated Carbons. <i>Materials</i> , 2020 , 14,	3.5	1
211	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
210	Photo-induced copper-mediated (meth)acrylate polymerization towards graphene oxide and reduced graphene oxide modification. <i>European Polymer Journal</i> , 2020 , 134, 109810	5.2	3
209	Unravelling the Miscibility of Poly(2-oxazoline)s: A Novel Polymer Class for the Formulation of Amorphous Solid Dispersions. <i>Molecules</i> , 2020 , 25,	4.8	1
208	The Metabolic Landscape of Lung Cancer: New Insights in a Disturbed Glucose Metabolism. <i>Frontiers in Oncology</i> , 2019 , 9, 1215	5.3	41
207	Phosphodiester Hydrogels for Cell Scaffolding and Drug Release Applications. <i>Macromolecular Bioscience</i> , 2019 , 19, e1900090	5.5	5
206	Dry amorphisation of mangiferin, a poorly water-soluble compound, using mesoporous silica. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 141, 172-179	5.7	9
205	A straightforward method for quantification of vinyl functionalized water soluble alginates via C-NMR spectroscopy. <i>International Journal of Biological Macromolecules</i> , 2019 , 134, 722-729	7.9	5
204	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
203	Eu ³⁺ - Doped Ln ₃ Al ₅ O ₁₂ (Ln = Er, Tm, Yb, Lu) garnets: Synthesis, characterization and investigation of structural and luminescence properties. <i>Journal of Luminescence</i> , 2019 , 212, 14-22	3.8	9
202	The impact of the method of extracting metabolic signal from 1H-NMR data on the classification of samples: A case study of binning and BATMAN in lung cancer. <i>PLoS ONE</i> , 2019 , 14, e0211854	3.7	4
201	A deeper understanding of the spontaneous derepression of the URA3 gene in MaV203 <i>Saccharomyces cerevisiae</i> and its implications for protein engineering and the reverse two-hybrid system. <i>Yeast</i> , 2019 , 36, 701-710	3.4	
200	Analysis of bulk heterojunction organic solar cell blends by solid-state NMR relaxometry and sensitive external quantum efficiency Impact of polymer side chain variation on nanoscale morphology. <i>Organic Electronics</i> , 2019 , 74, 309-314	3.5	4
199	X-ray absorption as an alternative method to determine the exhausting degree of activated carbon layers in water treatment system for medical services. <i>Talanta</i> , 2019 , 205, 120058	6.2	6
198	Correlations between the metabolic profile and F-FDG-Positron Emission Tomography-Computed Tomography parameters reveal the complexity of the metabolic reprogramming within lung cancer patients. <i>Scientific Reports</i> , 2019 , 9, 16212	4.9	2
197	Site-Selective Functionalization of Nanobodies Using Intein-Mediated Protein Ligation for Innovative Bioconjugation. <i>Methods in Molecular Biology</i> , 2019 , 2033, 117-130	1.4	3

196	Muconic acid esters as bio-based acrylate mimics. <i>Polymer Chemistry</i> , 2019 , 10, 5555-5563	4.9	11
195	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
194	Glutamine Addiction and Therapeutic Strategies in Lung Cancer. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	40
193	Surface Chemistry of Oil-Filled Organic Nanoparticle Coated Papers Analyzed Using Micro-Raman Mapping. <i>Applied Spectroscopy</i> , 2019 , 73, 67-77	3.1	2
192	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
191	Degradation of the Formamidineium Cation and the Quantification of the FormamidineiumMethylammonium 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
190	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
189	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
188	Identification of metabolic phenotypes in childhood obesity by H NMR metabolomics of blood plasma. <i>Future Science OA</i> , 2018 , 4, FSO310	2.7	14
187	Morphology-dependent pH-responsive release of hydrophilic payloads using biodegradable nanocarriers.. <i>RSC Advances</i> , 2018 , 8, 36869-36878	3.7	10
186	The plasma glutamate concentration as a complementary tool to differentiate benign PET-positive lung lesions from lung cancer. <i>BMC Cancer</i> , 2018 , 18, 868	4.8	8
185	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
184	Designing Small Molecule Organic Solar Cells with High Open-Circuit Voltage. <i>ChemistrySelect</i> , 2017 , 2, 1253-1261	1.8	11
183	Controlling the Release of Indomethacin from Glass Solutions Layered with a Rate Controlling Membrane Using Fluid-Bed Processing. Part 2: The Influence of Formulation Parameters on Drug Release. <i>Molecular Pharmaceutics</i> , 2017 , 14, 974-983	5.6	3
182	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
181	Characterization of the exhaustion profile of activated carbon in industrial rum filters [based on TGA, TD-GC/MS, colorimetry and NMR relaxometry. <i>Materials Today Communications</i> , 2017 , 11, 1-10	2.5	4
180	Physicochemical characterizations of functional hybrid liposomal nanocarriers formed using photo-sensitive lipids. <i>Scientific Reports</i> , 2017 , 7, 46257	4.9	8
179	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

178	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	3.6	23
177	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
176	A detailed investigation of the microwave assisted phenylphosphonic acid modification of P25 TiO ₂ . <i>Advanced Powder Technology</i> , 2017 , 28, 236-243	4.6	7
175	In situ monitoring and optimization of CuAAC-mediated protein functionalization of biosurfaces. <i>Sensors and Actuators B: Chemical</i> , 2017 , 238, 992-1000	8.5	5
174	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
173	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
172	Fully quantitative description of hybrid TiO ₂ nanoparticles by means of solid state (31)P NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2016 , 78, 50-55	3.1	4
171	Optical-quality controllable wet-chemical doping of graphene through a uniform, transparent and low-roughness F4-TCNQ/MEK layer. <i>RSC Advances</i> , 2016 , 6, 104491-104501	3.7	7
170	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
169	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
168	Studies on the Alkali-Silica Reaction Rim in a Simplified Calcium-Alkali-Silicate System. <i>Materials</i> , 2016 , 9,	3.5	3
167	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
166	Detection of Lung Cancer through Metabolic Changes Measured in Blood Plasma. <i>Journal of Thoracic Oncology</i> , 2016 , 11, 516-23	8.9	40
165	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
164	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
163	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
162	An efficient protocol towards site-specifically clickable nanobodies in high yield: cytoplasmic expression in Escherichia coli combined with intein-mediated protein ligation. <i>Protein Engineering, Design and Selection</i> , 2015 , 28, 351-63	1.9	29
161	Synthesis of sequence-defined acrylate oligomers photo-induced copper-mediated radical monomer insertions. <i>Chemical Science</i> , 2015 , 6, 5753-5761	9.4	75

160	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
159	Chemical composition of an aqueous oxalato-/citrate-VO(2+) solution as determinant for vanadium oxide phase formation. <i>Inorganic Chemistry</i> , 2015 , 54, 69-78	5.1	5
158	Photoinduced Acrylate Polymerization: Unexpected Reduction in Chain Branching. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1479-85	4.8	9
157	Macromol. Rapid Commun. 16/2015. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1532-1532	4.8	
156	Increasing the Solubility Limit for Tetrahedral Aluminium in ZnO:Al Nanorods by Variation in Synthesis Parameters. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-8	3.2	4
155	Synthesis, characterization and catalytic activity of novel large network polystyrene-immobilized organic bases. <i>RSC Advances</i> , 2015 , 5, 107200-107208	3.7	19
154	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
153	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
152	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
151	Organic solvent nanofiltration with Grignard functionalised ceramic nanofiltration membranes. <i>Journal of Membrane Science</i> , 2014 , 454, 496-504	9.6	61
150	Electronic Structure of the Positive Radical of 13C-Labeled Poly(3-Octylthienylene Vinylene) Polymer. <i>Applied Magnetic Resonance</i> , 2014 , 45, 827-839	0.8	2
149	Aqueous citrate-oxovanadate(IV) precursor solutions for VO ₂ : synthesis, spectroscopic investigation and thermal analysis. <i>Dalton Transactions</i> , 2014 , 43, 12614-23	4.3	15
148	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
147	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
146	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
145	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
144	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
143	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

142	Relation between synthesis conditions, dopant position and charge carriers in aluminium-doped ZnO nanoparticles. <i>RSC Advances</i> , 2013 , 3, 15254	3.7	29
141	A new method to graft titania using Grignard reagents. <i>Chemical Communications</i> , 2013 , 49, 6998-7000	5.8	24
140	Protein engineering for directed immobilization. <i>Bioconjugate Chemistry</i> , 2013 , 24, 1761-77	6.3	135
139	Synthesis of sequence controlled acrylate oligomers via consecutive RAFT monomer additions. <i>Chemical Communications</i> , 2013 , 49, 10358-10360	5.8	96
138	Trivalent organophosphorus reagent induced pinacol rearrangement of 4H-cyclopenta[2,1-b:3,4-b']dithiophen-4-one. <i>Tetrahedron Letters</i> , 2013 , 54, 526-529	2	5
137	An environment friendly wet strip process for 193nm lithography patterning in BEOL applications. <i>Microelectronic Engineering</i> , 2013 , 105, 119-123	2.5	1
136	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
135	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
134	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
133	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, 587-967	5.7	24
132	Reaction of 4H-cyclopenta[2,1-b:3,4-b']dithiophenes with NBS route toward 2H-cyclopenta[2,1-b:3,4-b']dithiophene-2,6(4H)-diones. <i>Tetrahedron</i> , 2013 , 69, 2260-2267	2.4	5
131	Actuated Conformational Switching in a Single Crystal of a Homodithiacalix[4]arene. <i>Angewandte Chemie</i> , 2013 , 125, 10427-10430	3.6	5
130	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
129	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
128	Synthesis of poly(p-phenylene vinylene) materials via the precursor routes. <i>Polymer Chemistry</i> , 2012 , 3, 275-285	4.9	71
127	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
126	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
125	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

124	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
123	Combined experimental-theoretical NMR study on 2,5-bis(5-aryl-3-hexylthiophen-2-yl)-thiazolo[5,4-d]thiazole derivatives for printable electronics. <i>Magnetic Resonance in Chemistry</i> , 2012 , 50, 379-87	2.1	6
122	Functionalized Dithienylthiazolo[5,4-d]thiazoles For Solution-Processable Organic Field-Effect Transistors. <i>ChemPlusChem</i> , 2012 , 77, 923-930	2.8	10
121	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
120	Tetra-alkoxy substituted PPV derivatives: a new class of highly soluble liquid crystalline conjugated polymers. <i>Polymer Chemistry</i> , 2011 , 2, 1279	4.9	1
119	Influence of polymer hydrolysis on adjuvant effect of Gantrez [®] AN nanoparticles: implications for oral vaccination. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011 , 79, 392-8	5.7	8
118	Fingerprints for structural defects in poly(thienylene vinylene) (PTV): a joint theoretical-experimental NMR study on model molecules. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 12040-50	3.4	8
117	Post-mortem assessment of rat spinal cord injury and white matter sparing using inversion recovery-supported proton density magnetic resonance imaging. <i>Spinal Cord</i> , 2011 , 49, 345-51	2.7	7
116	Water content of pyrolysis oil: Comparison between Karl Fischer titration, GC/MS-corrected azeotropic distillation and ¹ H NMR spectroscopy. <i>Journal of Analytical and Applied Pyrolysis</i> , 2011 , 90, 100-105	6	23
115	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
114	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
113	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
112	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
111	An Efficient Acid-Induced Conversion of Dithiocarbamate Precursor Polymers into Conjugated Materials. <i>Macromolecules</i> , 2011 , 44, 711-718	5.5	11
110	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
109	Characterization of Modification of 193-nm Photoresist by HBr Plasma. <i>Electrochemical and Solid-State Letters</i> , 2011 , 14, H408		6
108	Detailed visualization of the functional regions of the rat pituitary gland by high-resolution T2-weighted MRI. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2010 , 39, 194-200	1.1	5
107	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

106	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
105	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
104	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
103	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
102	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
101	Influence of heat treatment on spray-dried mixtures of Amioca starch and Carbopol 974P used as carriers for nasal drug delivery. <i>International Journal of Pharmaceutics</i> , 2009 , 378, 45-50	6.5	7
100	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
99	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
98	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
97	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
96	A joined theoretical-experimental investigation on the ¹ H 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
95	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
94	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
93	Rapid, postmortem 9.4 T MRI of spinal cord injury: correlation with histology and survival times. <i>Journal of Neuroscience Methods</i> , 2008 , 174, 157-67	3	5
92	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
91	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
90	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
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