Mieke Buntinx

List of Publications by Year in descending order

36 papers	1,623 citations	394421 19 h-index	361022 35 g-index
36 all docs	36 docs citations	36 times ranked	2179 citing authors

#	Article	IF	Citations
1	Layered double hydroxides exchanged with tungstate as biomimetic catalysts for mild oxidative bromination. Nature, 1999, 400, 855-857.	27.8	496
2	Recent Updates on the Barrier Properties of Ethylene Vinyl Alcohol Copolymer (EVOH): A Review. Polymer Reviews, 2018, 58, 209-246.	10.9	125
3	Cytokineâ€induced cell death in human oligodendroglial cell lines: I. Synergistic effects of IFNâ€Î³ and TNFâ€Î± on apoptosis. Journal of Neuroscience Research, 2004, 76, 834-845.	2.9	118
4	Characterization of three human oligodendroglial cell lines as a model to study oligodendrocyte injury: Morphology and oligodendrocyte-specific gene expression. Journal of Neurocytology, 2003, 32, 25-38.	1.5	110
5	Transition metal anion exchanged layered double hydroxides as a bioinspired model of vanadium bromoperoxidase. Journal of Catalysis, 2003, 216, 288-297.	6.2	61
6	(Bio)polymer/ZnO Nanocomposites for Packaging Applications: A Review of Gas Barrier and Mechanical Properties. Nanomaterials, 2019, 9, 1494.	4.1	60
7	Leukemia inhibitory factor is produced by myelin-reactive T cells from multiple sclerosis patients and protects against tumor necrosis factor-Î±-induced oligodendrocyte apoptosis. Journal of Neuroscience Research, 2006, 83, 763-774.	2.9	58
8	Cytokine-induced cell death in human oligodendroglial cell lines. II: Alterations in gene expression induced by interferon-? and tumor necrosis factor-?. Journal of Neuroscience Research, 2004, 76, 846-861.	2.9	56
9	Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate)/Organomodified Montmorillonite Nanocomposites for Potential Food Packaging Applications. Journal of Polymers and the Environment, 2016, 24, 104-118.	5.0	40
10	2-Mercaptoimidazoles, a new class of potent CCR2 antagonists. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 497-500.	2.2	35
11	Evaluation of the Thickness and Oxygen Transmission Rate before and after Thermoforming Mono- and Multi-layer Sheets into Trays with Variable Depth. Polymers, 2014, 6, 3019-3043.	4.5	35
12	Influence of Polymer Concentration and Nozzle Material on Centrifugal Fiber Spinning. Polymers, 2020, 12, 575.	4.5	34
13	Immune-Mediated Oligodendrocyte Injury in Multiple Sclerosis: Molecular Mechanisms and Therapeutic Interventions. Critical Reviews in Immunology, 2002, 22, 34.	0.5	33
14	Gas Permeability Properties of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). Journal of Polymers and the Environment, 2014, 22, 501-507.	5.0	32
15	Printed Electronics (PE) As An enabling Technology To Realize Flexible Mass Customized Smart Applications. Procedia CIRP, 2021, 96, 115-120.	1.9	32
16	Inkjet Printing of PEDOT:PSS Based Conductive Patterns for 3D Forming Applications. Polymers, 2020, 12, 2915.	4.5	28
17	Holistic Approach to a Successful Market Implementation of Active and Intelligent Food Packaging. Foods, 2021, 10, 465.	4.3	27
18	Synthesis and characterization of 5,6,7,8-tetrahydroquinoline C5a receptor antagonists. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 2544-2548.	2.2	24

#	Article	IF	Citations
19	Pharmacological Profile of JNJ-27141491 Methyl Ester], as a Noncompetitive and Orally Active Antagonist of the Human Chemokine Receptor CCR2. Journal of Pharmacology and Experimental Therapeutics, 2008, 327, 1-9.	2.5	23
20	Screen Printed Antennas on Fiber-Based Substrates for Sustainable HF RFID Assisted E-Fulfilment Smart Packaging. Materials, 2021, 14, 5500.	2.9	20
21	Synthesis and structureâ€“activity relationship of benzetimide derivatives as human CXCR3 antagonists. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 5819-5823.	2.2	18
22	Discovery of Potent, Orally Bioavailable Smallâ€Molecule Inhibitors of the Human CCR2 Receptor. ChemMedChem, 2008, 3, 660-669.	3.2	17
23	Design and optimization of aniline-substituted tetrahydroquinoline C5a receptor antagonists. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3852-3855.	2.2	16
24	Immune-mediated oligodendrocyte injury in multiple sclerosis: molecular mechanisms and therapeutic interventions. Critical Reviews in Immunology, 2002, 22, 391-424.	0.5	15
25	Effect of ultrafine talc on crystallization and endâ€use properties of poly(3â€hydroxybutyrateâ€coâ€3â€hydroxyhexanoate). Journal of Applied Polymer Science, 2016, 133, .	2.6	14
26	Polyhydroxyalkanoates for Food Packaging Applications. , 2019, , .		13
27	Interferon-Î³-induced calcium influx in T lymphocytes of multiple sclerosis and rheumatoid arthritis patients: a complementary mechanism for T cell activation?. Journal of Neuroimmunology, 2002, 124, 70-82.	2.3	12
28	Inclusion of ethanol in a nano-porous, bio-based metal organic framework. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2019, 95, 91-98.	1.6	12
29	Centrifugally spun poly(ethylene oxide) fibers rival the properties of electrospun fibers. Journal of Polymer Science, 2021, 59, 2754-2762.	3.8	12
30	Extrusion and Injection Molding of Poly(3-Hydroxybutyrate-co-3-Hydroxyhexanoate) (PHBHHx): Influence of Processing Conditions on Mechanical Properties and Microstructure. Polymers, 2021, 13, 4012.	4.5	11
31	Oxygen Gas and UV Barrier Properties of Nano-ZnO-Coated PET and PHBHHx Materials Fabricated by Ultrasonic Spray-Coating Technique. Nanomaterials, 2021, 11, 449.	4.1	9
32	Fiber Engineering Trifecta of Spinnability, Morphology, and Properties: Centrifugally Spun versus Electrospun Fibers. ACS Applied Polymer Materials, 2022, 4, 2022-2035.	4.4	7
33	Determination of the nitrogen gas transmission rate (N2GTR) of ethylene vinyl alcohol copolymer, using a newly developed permeation measurement system. Polymer Testing, 2021, 93, 106979.	4.8	6
34	Ethylene Vinyl Alcohol Copolymer (EVOH) as a Functional Barrier against Surrogate Components Migrating from Paperboard. Journal of Chemistry, 2019, 2019, 1-7.	1.9	5
35	Characterizing Mechanical, Heat Seal, and Gas Barrier Performance of Biodegradable Films to Determine Food Packaging Applications. Polymers, 2022, 14, 2569.	4.5	5
36	Effect of MILâ€53 (Al) MOF particles on the chain mobility and crystallization of poly(Lâ€lactic acid). Journal of Applied Polymer Science, 2018, 135, 45690.	2.6	4