Jan Feijen

List of Publications by Year
in descending order

124 papers	15,005 citations	16411 64 h-index	17546 121 g-index
130 all docs	130 docs citations	130 times ranked	15761 citing authors

#	Article	IF	Citations
1	Multi-functional polymeric micelles for chemotherapy-based combined cancer therapy. Journal of Materials Chemistry B, 2021, 9, 8718-8738.	2.9	14
2	In memory of Professor Sung Wan Kim. Journal of Controlled Release, 2020, 321, 773-774.	4.8	0
3	The triangle, in memory of Prof. Sung Wan Kim. Journal of Controlled Release, 2020, 328, 962-969.	4.8	0
4	Recent Advances of Polycationic siRNA Vectors for Cancer Therapy. Biomacromolecules, 2020, 21, 2966-2982.	2.6	26
5	Folated pH-degradable nanogels for the simultaneous delivery of docetaxel and an IDO1-inhibitor in enhancing cancer chemo-immunotherapy. Biomaterials Science, 2019, 7, 2749-2758.	2.6	33
6	Reduction-responsive core-crosslinked hyaluronic acid-b-poly(trimethylene carbonate-co-dithiolane) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 negative breast tumor in vivo. Journal of Materials Chemistry B, 2018, 6, 3040-3047.	2.9	27
7	Dual-targeted nanomedicines for enhanced tumor treatment. Nano Today, 2018, 18, 65-85.	6.2	90
8	Highly efficacious and specific anti-glioma chemotherapy by tandem nanomicelles co-functionalized with brain tumor-targeting and cell-penetrating peptides. Journal of Controlled Release, 2018, 278, 1-8.	4.8	92
9	Peptide-decorated polymeric nanomedicines for precision cancer therapy. Journal of Controlled Release, 2018, 290, 11-27.	4.8	63
10	Bioresponsive functional nanogels as an emerging platform for cancer therapy. Expert Opinion on Drug Delivery, 2018, 15, 703-716.	2.4	40
11	Exogenous vitamin C boosts the antitumor efficacy of paclitaxel containing reduction-sensitive shell-sheddable micelles in vivo. Journal of Controlled Release, 2017, 250, 9-19.	4.8	32
12	cRGD/TAT Dual-Ligand Reversibly Cross-Linked Micelles Loaded with Docetaxel Penetrate Deeply into Tumor Tissue and Show High Antitumor Efficacy in Vivo. ACS Applied Materials & Interfaces, 2017, 9, 35651-35663.	4.0	48
13	In situ forming stereocomplexed and post-photocrosslinked acrylated star poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.6	10
14	Poly(Amido Amine)s Containing Agmatine and Butanol Side Chains as Efficient Gene Carriers. Macromolecular Bioscience, 2016, 16, 619-626.	2.1	10
15	cRGD-functionalized reduction-sensitive shell-sheddable biodegradable micelles mediate enhanced doxorubicin delivery to human glioma xenografts in vivo. Journal of Controlled Release, 2016, 233, 29-38.	4.8	121
16	Bioresponsive and fluorescent hyaluronic acid-iodixanol nanogels for targeted X-ray computed tomography imaging and chemotherapy of breast tumors. Journal of Controlled Release, 2016, 244, 229-239.	4.8	54
17	Facile construction of dual-bioresponsive biodegradable micelles with superior extracellular stability and activated intracellular drug release. Journal of Controlled Release, 2015, 210, 125-133.	4.8	84
18	Biodegradable glycopolymer-b-poly(Îµ-caprolactone) block copolymer micelles: versatile construction, tailored lactose functionality, and hepatoma-targeted drug delivery. Journal of Materials Chemistry B, 2015, 3, 2308-2317.	2.9	41

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19	Enzymatically and Reductively Degradable Î±-Amino Acid-Based Poly(ester amide)s: Synthesis, Cell Compatibility, and Intracellular Anticancer Drug Delivery. Biomacromolecules, 2015, 16, 597-605.	2.6	51
20	Vision, launch and early days of Journal of Controlled Release. Journal of Controlled Release, 2014, 190, 1-2.	4.8	1
21	Glyco-Nanoparticles with Sheddable Saccharide Shells: A Unique and Potent Platform for Hepatoma-Targeting Delivery of Anticancer Drugs. Biomacromolecules, 2014, 15, 900-907.	2.6	98
22	Hydrogels in a historical perspective: From simple networks to smart materials. Journal of Controlled Release, 2014, 190, 254-273.	4.8	732
23	Biodegradable elastomers for biomedical applications and regenerative medicine. Regenerative Medicine, 2014, 9, 385-398.	0.8	69
24	Advanced drug and gene delivery systems based on functional biodegradable polycarbonates and copolymers. Journal of Controlled Release, 2014, 190, 398-414.	4.8	142
25	Redox and pH-responsive degradable micelles for dually activated intracellular anticancer drug release. Journal of Controlled Release, 2013, 169, 171-179.	4.8	336
26	In Situ Forming Reduction-Sensitive Degradable Nanogels for Facile Loading and Triggered Intracellular Release of Proteins. Biomacromolecules, 2013, 14, 1214-1222.	2.6	108
27	Functional Poly(Îµ-caprolactone)s via Copolymerization of Îµ-Caprolactone and Pyridyl Disulfide-Containing Cyclic Carbonate: Controlled Synthesis and Facile Access to Reduction-Sensitive Biodegradable Graft Copolymer Micelles. Macromolecules, 2013, 46, 699-707.	2.2	90
28	Conference Scene: From innovative polymers to advanced nanomedicine: key challenges, recent progress and future perspectives. Nanomedicine, 2013, 8, 177-180.	1.7	82
29	Stereocomplexed 8-armed poly(ethylene glycol)â€“poly(lactide) star block copolymer hydrogels: Gelation mechanism, mechanical properties and degradation behavior. Polymer, 2012, 53, 2809-2817.	1.8	51
30	Poly(ethylene glycol)â€“poly(<scp>L</scp>â€lactide) star block copolymer hydrogels crosslinked by metalâ€“ligand coordination. Journal of Polymer Science Part A, 2012, 50, 1783-1791.	2.5	34
31	In Situ Forming Poly(ethylene glycol)â€•Poly(<scp>L</scp>â€lactide) Hydrogels via Michael Addition: Mechanical Properties, Degradation, and Protein Release. Macromolecular Chemistry and Physics, 2012, 213, 766-775.	1.1	17
32	Synthesis, Morphology, and Properties of Segmented Poly(ether amide)s with Uniform Oxalamide-Based Hard Segments. Macromolecules, 2012, 45, 3948-3961.	2.2	52
33	Enzyme-catalyzed crosslinkable hydrogels: Emerging strategies for tissue engineering. Biomaterials, 2012, 33, 1281-1290.	5.7	488
34	Self-attaching and cell-attracting in-situ forming dextran-tyramine conjugates hydrogels for arthroscopic cartilage repair. Biomaterials, 2012, 33, 3164-3174.	5.7	79
35	The effect of platelet lysate supplementation of a dextran-based hydrogel on cartilage formation. Biomaterials, 2012, 33, 3651-3661.	5.7	76
36	Unprecedented Access to Functional Biodegradable Polymers and Coatings. Macromolecules, 2011, 44, 6009-6016.	2.2	88

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37	Single site catalysts for stereoselective ring-opening polymerization of lactides. Polymer Chemistry, 2011, 2, 520-527.	1.9	355
38	Glutathione-responsive nano-vehicles as a promising platform for targeted intracellular drug and gene delivery. Journal of Controlled Release, 2011, 152, 2-12.	4.8	1,187
39	Chondrogenesis in injectable enzymatically crosslinked heparin/dextran hydrogels. Journal of Controlled Release, 2011, 152, 186-195.	4.8	127
40	The First Symposium on Innovative Polymers for Controlled Delivery, September 14â€“17, 2010, Suzhou, China. Journal of Controlled Release, 2011, 152, 1.	4.8	15
41	Resorbable elastomeric networks prepared by photocrosslinking of high-molecular-weight poly(trimethylene carbonate) with photoinitiators and poly(trimethylene carbonate) macromers as crosslinking aids. Acta Biomaterialia, 2011, 7, 1939-1948.	4.1	43
42	Novel injectable biodegradable glycol chitosanâ€based hydrogels crosslinked by Michaelâ€type addition reaction with oligo(acryloyl carbonate)â€<i>b</i>â€poly(ethylene glycol)â€<i>b</i>â€oligo(acryloyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.1	69
43	Enhanced Collagen Type IV Based Differentiation of Embryonic Stem Cells Towards Flkâ€1 Expressing Vascular Progenitors by the Wnt/Î²â€Catenin Synergist QS11. Macromolecular Symposia, 2011, 309-310, 236-243.	0.4	1
44	Injectable Hydrogels by Enzymatic Coâ€Crosslinking of Dextran and Hyaluronic Acid Tyramine Conjugates. Macromolecular Symposia, 2011, 309-310, 213-221.	0.4	24
45	Dynamic Culturing of Smooth Muscle Cells in Tubular Poly(Trimethylene Carbonate) Scaffolds for Vascular Tissue Engineering. Tissue Engineering - Part A, 2011, 17, 381-387.	1.6	53
46	Dual bio-responsive gene delivery via reducible poly(amido amine) and survivin-inducible plasmid DNA. Biotechnology Letters, 2010, 32, 755-764.	1.1	11
47	Rapid photo-crosslinking of fumaric acid monoethyl ester-functionalized poly(trimethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	4.8	37
48	Rapid gelation of injectable hydrogels based on hyaluronic acid and poly(ethylene glycol) via Michael-type addition. Journal of Controlled Release, 2010, 148, e41-e43.	4.8	10
49	Designed biodegradable hydrogel structures prepared by stereolithography using poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.8	154
50	Validation of human periodontal ligamentâ€derived cells as a reliable source for cytotherapeutic use. Journal of Clinical Periodontology, 2010, 37, 1088-1099.	2.3	172
51	A Newly Developed Chemically Crosslinked Dextranâ€“Poly(Ethylene Glycol) Hydrogel for Cartilage Tissue Engineering. Tissue Engineering - Part A, 2010, 16, 565-573.	1.6	56
52	Enzymatically Crosslinked Dextran-Tyramine Hydrogels as Injectable Scaffolds for Cartilage Tissue Engineering. Tissue Engineering - Part A, 2010, 16, 2429-2440.	1.6	122
53	Influence of Amide versus Ester Linkages on the Properties of Eight-Armed PEG-PLA Star Block Copolymer Hydrogels. Biomacromolecules, 2010, 11, 224-232.	2.6	81
54	Self-Aggregation of Gel Forming PEG-PLA Star Block Copolymers in Water. Langmuir, 2010, 26, 12890-12896.	1.6	28

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55	In memory of Jorge Heller. Journal of Controlled Release, 2009, 139, 173.	4.8	3
56	AB₂ Functional Polyesters via Ring Opening Polymerization: Synthesis and Characterization. Macromolecular Chemistry and Physics, 2009, 210, 689-697.	1.1	18
57	Creep-resistant elastomeric networks prepared by photocrosslinking fumaric acid monoethyl ester-functionalized poly(trimethylene carbonate) oligomers. Acta Biomaterialia, 2009, 5, 1543-1551.	4.1	37
58	Designing porosity and topography of poly(1,3-trimethylene carbonate) scaffolds. Acta Biomaterialia, 2009, 5, 3281-3294.	4.1	36
59	Redoxâ€initiated poly(methyl methacrylate) emulsion polymerizations stabilized with block copolymers based on methoxyâ€poly(ethylene glycol), Îµâ€caprolactone, and linoleic acid. Journal of Polymer Science Part A, 2009, 47, 4234-4244.	2.5	10
60	Injectable chitosan-based hydrogels for cartilage tissue engineering. Biomaterials, 2009, 30, 2544-2551.	5.7	426
61	Stimuli-Responsive Polymersomes for Programmed Drug Delivery. Biomacromolecules, 2009, 10, 197-209.	2.6	1,037
62	Poly(amido amine)s as Gene Delivery Vectors: Effects of Quaternary Nicotinamide Moieties in the Side Chains. ChemMedChem, 2008, 3, 478-486.	1.6	35
63	Mechanical properties of single electrospun collagen type I fibers. Biomaterials, 2008, 29, 955-962.	5.7	249
64	Bioreducible poly(amido amine)s with oligoamine side chains: Synthesis, characterization, and structural effects on gene delivery. Journal of Controlled Release, 2008, 126, 166-174.	4.8	156
65	Novel poly(amido amine)s with bioreducible disulfide linkages in their diamino-units: Structure effects and in vitro gene transfer properties. Journal of Controlled Release, 2008, 130, 38-45.	4.8	82
66	Mechanical Properties of Native and Cross-linked Type I Collagen Fibrils. Biophysical Journal, 2008, 94, 2204-2211.	0.2	194
67	Thermoâ€Responsive Hydrogels Based on Branched Poly(<scp>L</scp>â€lactide)â€poly(ethylene glycol) Copolymers. Macromolecular Symposia, 2008, 272, 13-27.	0.4	14
68	Novel Bioreducible Poly(amido amine)s for Highly Efficient Gene Delivery. Bioconjugate Chemistry, 2007, 18, 138-145.	1.8	283
69	Novel in Situ Forming, Degradable Dextran Hydrogels by Michael Addition Chemistry:Â Synthesis, Rheology, and Degradation. Macromolecules, 2007, 40, 1165-1173.	2.2	183
70	Rapidly in Situ Forming Biodegradable Robust Hydrogels by Combining Stereocomplexation and Photopolymerization. Journal of the American Chemical Society, 2007, 129, 9918-9926.	6.6	146
71	Micromechanical bending of single collagen fibrils using atomic force microscopy. Journal of Biomedical Materials Research - Part A, 2007, 82A, 160-168.	2.1	123
72	Quantification of carboxyl groups in carbodiimide cross-linked collagen sponges. Journal of Biomedical Materials Research - Part A, 2007, 83A, 1176-1183.	2.1	27

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73	Poly(ferrocenylsilane)â€<i>block</i>â€Polylactide Block Copolymers. Macromolecular Rapid Communications, 2007, 28, 2125-2130.	2.0	9
74	Enzyme-mediated fast in situ formation of hydrogels from dextranâ€"tyramine conjugates. Biomaterials, 2007, 28, 2791-2800.	5.7	360
75	Reducible poly(amido ethylenimine) directed to enhance RNA interference. Biomaterials, 2007, 28, 1912-1917.	5.7	169
76	Ring-opening polymerization of substituted É›-caprolactones with a chiral (salen) AlOiPr complex. Journal of Polymer Science Part A, 2007, 45, 429-436.	2.5	45
77	Reducible poly(amido ethylenediamine) for hypoxia-inducible VEGF delivery. Journal of Controlled Release, 2007, 118, 254-261.	4.8	69
78	In vitro and in vivo protein delivery from in situ forming poly(ethylene glycol)â€"poly(lactide) hydrogels. Journal of Controlled Release, 2007, 119, 320-327.	4.8	74
79	In-Situ Formation of Biodegradable Hydrogels by Stereocomplexation of PEGâˆ'(PLLA)8 and PEGâˆ'(PDLA)8 Star Block Copolymers. Biomacromolecules, 2006, 7, 2790-2795.	2.6	157
80	Oligo(trimethylene carbonate)-Based Supramolecular Biomaterials. Macromolecules, 2006, 39, 8763-8771.	2.2	90
81	The in vivo and in vitro degradation behavior of poly(trimethylene carbonate). Biomaterials, 2006, 27, 1741-1748.	5.7	377
82	Biological characterisation of vascular grafts cultured in a bioreactor. Biomaterials, 2006, 27, 2390-2397.	5.7	75
83	Reducible Poly(amido ethylenimine)s Designed for Triggered Intracellular Gene Delivery. Bioconjugate Chemistry, 2006, 17, 1233-1240.	1.8	214
84	Physical characterization of vascular grafts cultured in a bioreactor. Biomaterials, 2006, 27, 2380-2389.	5.7	73
85	Poly(trimethylene carbonate) and monomethoxy poly(ethylene glycol)-block-poly(trimethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Release, 2006, 111, 263-270.	4.8	74
86	Thermo-sensitive transition of monomethoxy poly(ethylene glycol)-block-poly(trimethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 T	4.8	59
87	Linear poly(amido amine)s with secondary and tertiary amino groups and variable amounts of disulfide linkages: Synthesis and in vitro gene transfer properties. Journal of Controlled Release, 2006, 116, 130-137.	4.8	175
88	A versatile family of degradable non-viral gene carriers based on hyperbranched poly(ester amine)s. Journal of Controlled Release, 2005, 109, 317-329.	4.8	141
89	Stereocomplex Mediated Gelation of PEG-(PLA)2 and PEG-(PLA)8 Block Copolymers. Macromolecular Symposia, 2005, 224, 119-132.	0.4	65
90	Low Molecular Weight Linear Polyethylenimine-b-poly(ethylene glycol)-b-polyethylenimine Triblock Copolymers:Â Synthesis, Characterization, and in Vitro Gene Transfer Properties. Biomacromolecules, 2005, 6, 3440-3448.	2.6	152

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91	Tissue engineering of blood vessels: characterization of smooth-muscle cells for culturing on collagen-and-elastin-based scaffolds. Biotechnology and Applied Biochemistry, 2004, 39, 141.	1.4	105
92	Triblock Copolymers Based on 1,3-Trimethylene Carbonate and Lactide as Biodegradable Thermoplastic Elastomers. Macromolecular Chemistry and Physics, 2004, 205, 867-875.	1.1	137
93	Crystal Structure and Morphology of Poly(l-lactide-b-d-lactide) Diblock Copolymers. Macromolecules, 2004, 37, 8641-8646.	2.2	68
94	Single-Site Calcium Initiators for the Controlled Ring-Opening Polymerization of Lactides and Lactones. Polymer Bulletin, 2003, 51, 175-182.	1.7	70
95	The preparation of monodisperse biodegradable polyester nanoparticles with a controlled size. Journal of Biomedical Materials Research Part B, 2003, 66B, 559-566.	3.0	114
96	Preparation of interconnected highly porous polymeric structures by a replication and freeze-drying process. Journal of Biomedical Materials Research Part B, 2003, 67B, 732-740.	3.0	110
97	Influence of Catalyst and Polymerization Conditions on the Properties of 1,3-Trimethylene Carbonate and -Caprolactone Copolymers. Macromolecular Chemistry and Physics, 2003, 204, 747-754.	1.1	37
98	Porous polymeric structures for tissue engineering prepared by a coagulation, compression moulding and salt leaching technique. Biomaterials, 2003, 24, 1937-1947.	5.7	385
99	Determination of the Stereoselectivity Factor for an Asymmetric Enantiomer-Differentiating Polymerization:Â A Revisit. Macromolecules, 2003, 36, 8198-8200.	2.2	4
100	Biodegradable Polymersomes. Macromolecules, 2003, 36, 3004-3006.	2.2	221
101	Preparation of Porous Poly(É›-caprolactone) Structures. Macromolecular Rapid Communications, 2002, 23, 247-252.	2.0	35
102	Synthesis and aqueous phase behavior of thermoresponsive biodegradable poly(D,L-3-methylglycolide)-block-poly(ethylene glycol)-block-poly(D,L-3-methylglycolide) triblock copolymers. Macromolecular Chemistry and Physics, 2002, 203, 1797-1803.	1.1	63
103	In Vitro Degradation of Trimethylene Carbonate Based (Co)polymers. Macromolecular Bioscience, 2002, 2, 411-419.	2.1	105
104	Improvement of the mechanical properties of poly(D,L-lactide) by orientation. Polymer International, 2002, 51, 845-851.	1.6	73
105	Poly(ethylene oxide)/poly(butylene terephthalate) segmented block copolymers: the effect of copolymer composition on physical properties and degradation behavior. Polymer, 2001, 42, 9335-9345.	1.8	154
106	Proliferation of endothelial cells on surface-immobilized albumin-heparin conjugate loaded with basic fibroblast growth factor. , 1999, 44, 330-340.		55
107	Blood compatibility of surfaces with immobilized albumin-heparin conjugate and effect of endothelial cell seeding on platelet adhesion. , 1999, 47, 279-291.		30
108	Polymerization of ethylene oxide using yttrium isopropoxide. Macromolecular Chemistry and Physics, 1996, 197, 3623-3629.	1.1	5

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109	Effect of fibronectin on the binding of antithrombin III to immobilized heparin. , 1996, 30, 95-100.		26
110	Interaction of antithrombin III with surface-immobilized albuminâ€”heparin conjugates. Journal of Biomedical Materials Research Part B, 1995, 29, 1317-1329.	3.0	15
111	Glycine/Glycolic acid based copolymers. Journal of Polymer Science Part A, 1994, 32, 1063-1069.	2.5	45
112	Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1993, 14, 465-470.	1.1	12
113	Effect of comonomer hydrophilicity and ionization on the lower critical solution temperature of N-isopropylacrylamide copolymers. Macromolecules, 1993, 26, 2496-2500.	2.2	1,003
114	Release of proteins via ion exchange from albumin-heparin microspheres. Journal of Controlled Release, 1992, 22, 83-93.	4.8	27
115	Release of macromolecules from albumin-heparin microspheres. International Journal of Pharmaceutics, 1992, 79, 191-198.	2.6	15
116	Molecular separation by thermosensitive hydrogel membranes. Journal of Membrane Science, 1991, 64, 283-294.	4.1	227
117	Preparation and characterization of microspheres of albumin-heparin conjugates. Journal of Colloid and Interface Science, 1991, 143, 501-512.	5.0	13
118	Association of macromolecular prodrugs consisting of adriamycin bound to poly(L-glutamic acid). Die Makromolekulare Chemie, 1991, 192, 2925-2942.	1.1	28
119	Stereo block copolymers of L- and D-lactides. Die Makromolekulare Chemie, 1990, 191, 481-488.	1.1	145
120	Coupling of naltrexone to biodegradable poly(alpha-amino acids). Pharmaceutical Research, 1987, 04, 305-310.	1.7	25
121	Copolymers of D,L-lactic acid and glycine. Die Makromolekulare Chemie Rapid Communications, 1986, 7, 193-198.	1.1	58
122	Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1985, 6, 9-14.	1.1	73
123	Self-regulating insulin delivery systems I. Synthesis and characterization of glycosylated insulin. Journal of Controlled Release, 1984, 1, 57-66.	4.8	92
124	Covalently bound conjugates of albumin and heparin: Synthesis, fractionation and characterization. Thrombosis Research, 1983, 29, 1-13.	0.8	60