Dorota Neugebauer

List of Publications by Year
in descending order

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81 papers	2,492 citations	304602 22 h-index	206029 48 g-index
82 all docs	82 docs citations	82 times ranked	2212 citing authors

#	Article	IF	Citations
1	Densely-Grafted and Double-Grafted PEO Brushes via ATRP. A Route to Soft Elastomers. Macromolecules, 2003, 36, 6746-6755.	2.2	322
2	Stereoblock Copolymers and Tacticity Control in Controlled/Living Radical Polymerization. Journal of the American Chemical Society, 2003, 125, 6986-6993.	6.6	264
3	Initiation Efficiency in the Synthesis of Molecular Brushes by Grafting from via Atom Transfer Radical Polymerization. Macromolecules, 2005, 38, 702-708.	2.2	224
4	How dense are cylindrical brushes grafted from a multifunctional macroinitiator?. Polymer, 2004, 45, 8173-8179.	1.8	140
5	Densely Heterografted Brush Macromolecules with Crystallizable Grafts. Synthesis and Bulk Properties. Macromolecules, 2006, 39, 584-593.	2.2	131
6	Heterografted PEOâ€“PnBA brush copolymers. Polymer, 2003, 44, 6863-6871.	1.8	108
7	PDMSâ^'PEO Densely Grafted Copolymers. Macromolecules, 2005, 38, 8687-8693.	2.2	103
8	Graft copolymers with poly(ethylene oxide) segments. Polymer International, 2007, 56, 1469-1498.	1.6	102
9	Copolymerization of N,N-Dimethylacrylamide with n-Butyl Acrylate via Atom Transfer Radical Polymerization. Macromolecules, 2003, 36, 2598-2603.	2.2	85
10	Super soft elastomers as ionic conductors. Polymer, 2004, 45, 6333-6339.	1.8	62
11	Perfect mixing of immiscible macromolecules at fluid interfaces. Nature Materials, 2013, 12, 735-740.	13.3	60
12	Synthesis of Graft Copolymers Containing Biodegradable Poly(3-hydroxybutyrate) Chains. Macromolecules, 2007, 40, 1767-1773.	2.2	42
13	Gradient graft copolymers derived from PEO-based macromonomers. Journal of Polymer Science Part A, 2006, 44, 1347-1356.	2.5	40
14	Preparation of Segmented Copolymers in the Presence of an Immobilized/Soluble Hybrid ATRP Catalyst System. Macromolecules, 2003, 36, 27-35.	2.2	36
15	Graft copolymers with hydrophilic and hydrophobic polyether side chains. Polymer, 2007, 48, 4966-4973.	1.8	36
16	Two decades of molecular brushes by ATRP. Polymer, 2015, 72, 413-421.	1.8	36
17	Influence of substituent on the polymerization of oxiranes by potassium hydride. Macromolecular Chemistry and Physics, 1999, 200, 2467-2470.	1.1	31
18	Atom transfer radical copolymerization of glycidyl methacrylate and methyl methacrylate. Journal of Applied Polymer Science, 2012, 124, 2209-2215.	1.3	31

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19	Novel self-assembly graft copolymers as carriers for anti-inflammatory drug delivery. International Journal of Pharmaceutics, 2014, 460, 150-157.	2.6	29
20	Synthesis and investigation of monomodal hydroxy-functionalized PEG methacrylate based copolymers with high polymerization degrees. Modification by â€œgrafting fromâ€• Reactive and Functional Polymers, 2014, 82, 33-40.	2.0	28
21	Trimethylammonium-Based Polymethacrylate Ionic Liquids with Tunable Hydrophilicity and Charge Distribution as Carriers of Salicylate Anions. ACS Sustainable Chemistry and Engineering, 2016, 4, 4181-4191.	3.2	25
22	Choline supported poly(ionic liquid) graft copolymers as novel delivery systems of anionic pharmaceuticals for anti-inflammatory and anti-coagulant therapy. Scientific Reports, 2019, 9, 14410.	1.6	25
23	Potassium hydride â€" the new initiator for anionic polymerization of oxiranes. Macromolecular Rapid Communications, 1996, 17, 787-793.	2.0	22
24	Selfâ€assembling Linear and Star Shaped Poly(Ïµâ€caprolactone)/poly[(meth)acrylic acid] Block Copolymers as Carriers of Indomethacin and Quercetin. Macromolecular Bioscience, 2013, 13, 1520-1530.	2.1	21
25	Choline based polymethacrylate matrix with pharmaceutical cations as co-delivery system for antibacterial and anti-inflammatory combined therapy. Journal of Molecular Liquids, 2019, 285, 114-122.	2.3	21
26	Study on Selfâ€Assembled Wellâ€Defined PEG Graft Copolymers as Efficient Drugâ€Loaded Nanoparticles for Antiâ€Inflammatory Therapy. Macromolecular Bioscience, 2015, 15, 1616-1624.	2.1	20
27	Water soluble well-defined acidic graft copolymers based on a poly(propylene glycol) macromonomer. RSC Advances, 2015, 5, 3627-3635.	1.7	19
28	Drug delivery via anion exchange of salicylate decorating poly(meth)acrylates based on a pharmaceutical ionic liquid. New Journal of Chemistry, 2017, 41, 12801-12807.	1.4	19
29	Influence of the crown ether concentration and the addition of tert-butyl alcohol on anionic polymerization of (butoxymethyl)oxirane initiated by potassium tert-butoxide. Macromolecular Chemistry and Physics, 1995, 196, 1295-1300.	1.1	18
30	Miktoarm star copolymers from D-(â^')-salicin core aggregated into dandelion-like structures as anticancer drug delivery systems: synthesis, self-assembly and drug release. International Journal of Pharmaceutics, 2016, 515, 515-526.	2.6	18
31	Fluorescein nanocarriers based on cationic star copolymers with acetal linked sugar cores. Synthesis and biochemical characterization. RSC Advances, 2014, 4, 31904.	1.7	16
32	Design of systems based on 4-armed star-shaped polyacids for indomethacin delivery. New Journal of Chemistry, 2016, 40, 10002-10011.	1.4	16
33	Epoxy functionalized polymethacrylates based on various multifunctional <scp>d</scp>â€glucopyranoside acetals. Journal of Polymer Science Part A, 2013, 51, 2483-2494.	2.5	14
34	Synthesis and Characterization of Ionic Graft Copolymers: Introduction and In Vitro Release of Antibacterial Drug by Anion Exchange. Polymers, 2020, 12, 2159.	2.0	14
35	Designing Drug Conjugates Based on Sugar Decorated V-Shape and Star Polymethacrylates: Influence of Composition and Architecture of Polymeric Carrier. Bioconjugate Chemistry, 2015, 26, 2303-2310.	1.8	13
36	Studies on the radical polymerization of monomeric ionic liquids: nanostructure ordering as a key factor controlling the reaction and properties of nascent polymers. Polymer Chemistry, 2016, 7, 6363-6374.	1.9	13

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37	Linear Copolymers Based on Choline Ionic Liquid Carrying Anti-Tuberculosis Drugs: Influence of Anion Type on Physicochemical Properties and Drug Release. International Journal of Molecular Sciences, 2021, 22, 284.	1.8	13
38	Methacrylate copolymers with hydroxyl terminated caprolactone chains via ATRP. A route to grafted copolymers. Reactive and Functional Polymers, 2011, 71, 616-624.	2.0	12
39	Novel Hydroxyl-Functionalized Caprolactone Poly(meth)acrylates Decorated with tert-Butyl Groups. Macromolecules, 2012, 45, 4989-4996.	2.2	12
40	Synthesis and in vitro cytotoxicity evaluation of star-shaped polymethacrylic conjugates with methotrexate or acitretin as potential antipsoriatic prodrugs. European Journal of Pharmacology, 2020, 866, 172804.	1.7	12
41	Influence of the kind of crown ether on the anionic polymerization of (phenoxymethyl)oxirane initiated by potassium tert-butoxide. Macromolecular Chemistry and Physics, 1995, 196, 1301-1306.	1.1	11
42	Polymethacrylates with anthryl and carbazolyl groups prepared by atom transfer radical polymerization. Polymer Journal, 2011, 43, 448-454.	1.3	11
43	Self-assembling polyether-b-polymethacrylate graft copolymers loaded with indomethacin. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 317-325.	1.8	11
44	Electrospray ionization tandem mass spectrometry for poly(propylene oxide) starting and end group analysis. , 1999, 13, 2469-2473.		10
45	Synthesis and self-assembly behavior of amphiphilic methyl Î±-D-glucopyranoside-centered copolymers. Journal of Polymer Research, 2014, 21, 1.	1.2	10
46	Synthesis and characterization of <scp>D</scp>â€(â˜)â€Salicineâ€based star copolymers containing pendant carboxyl groups with fluorophore dyes. Journal of Polymer Science Part A, 2014, 52, 2399-2411.	2.5	10
47	Ionic Polymethacrylate Based Delivery Systems: Effect of Carrier Topology and Drug Loading. Pharmaceutics, 2019, 11, 337.	2.0	10
48	Biological In Vitro Evaluation of PIL Graft Conjugates: Cytotoxicity Characteristics. International Journal of Molecular Sciences, 2021, 22, 7741.	1.8	10
49	Structure of poly(propylene oxide) obtained in the presence of Kâ˚, K+(15-crown-5)2. European Polymer Journal, 2002, 38, 1065-1070.	2.6	9
50	Functional (mikto)stars and star-comb copolymers from d-gluconolactone derivative: An efficient route for tuning theÂarchitecture and responsiveness to stimuli. Polymer, 2018, 146, 331-343.	1.8	9
51	Retinol-Containing Graft Copolymers for Delivery of Skin-Curing Agents. Pharmaceutics, 2019, 11, 378.	2.0	9
52	Micellar Carriers Based on Amphiphilic PEG/PCL Graft Copolymers for Delivery of Active Substances. Polymers, 2020, 12, 2876.	2.0	9
53	Modifications of Hydroxyl-Functionalized HEA/HEMA and Their Polymers in the Synthesis of Functional and Graft Copolymers. Current Organic Synthesis, 2017, 14, 798-809.	0.7	9
54	Study of the structure of poly(methyl methacrylate) obtained in the presence of potassium hydride. Rapid Communications in Mass Spectrometry, 2000, 14, 2170-2174.	0.7	7

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55	Temperature and pH-Dependent Response of Poly(Acrylic Acid) and Poly(Acrylic Acid-co-Methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.0	7
56	Influence of the kind of crown ether on the heterogeneous polymerization of propylene oxide in the presence of potassium hydride. Macromolecular Chemistry and Physics, 1998, 199, 175-177.	1.1	6
57	Branched copolymers with biodegradable core and pendant oxirane groups. Polymer Engineering and Science, 2013, 53, 1146-1153.	1.5	6
58	Pyranine labeled polymer nanoparticles as fluorescent markers for cell wall staining and imaging of movement within apoplast. Sensors and Actuators B: Chemical, 2019, 297, 126789.	4.0	6
59	PEG Graft Polymer Carriers of Antioxidants: In Vitro Evaluation for Transdermal Delivery. Pharmaceutics, 2020, 12, 1178.	2.0	6
60	4-n-Butylresorcinol-Based Linear and Graft Polymethacrylates for Arbutin and Vitamins Delivery by Micellar Systems. Polymers, 2020, 12, 330.	2.0	6
61	Dual-Drug Delivery via the Self-Assembled Conjugates of Choline-Functionalized Graft Copolymers. Materials, 2022, 15, 4457.	1.3	6
62	AB, BAB and (AB)₃ poly(Îµâ€caprolactone)â€based block copolymers with functionalized poly(meth)acrylate segments. Polymer International, 2013, 62, 693-702.	1.6	5
63	Cellular response to star-shaped polyacids. Solution behavior and conjugation advantages. Toxicology Letters, 2017, 274, 42-50.	0.4	5
64	Polymerization of oxiranes in the presence of potassium hydride. Polimery, 1998, 43, 443-448.	0.4	5
65	Analysis of the end groups of poly(methyl methacrylate). Macromolecular Symposia, 2002, 184, 325-338.	0.4	4
66	Atom transfer radical copolymerization of N,Nâ€²-dimethylacrylamide with methacrylate-functionalized poly(ethylene oxide). Reactive and Functional Polymers, 2008, 68, 535-543.	2.0	4
67	Amphiphilic copolymers with poly(meth)acrylic acid chains â€œgrafted fromâ€•caprolactone 2â€(methacryloyloxy)ethyl esterâ€based backbone. Polymers for Advanced Technologies, 2013, 24, 1094-1101.	1.6	4
68	PEG Grafted Polymethacrylates Bearing Antioxidants as a New Class of Polymer Conjugates for Application in Cosmetology. Materials, 2020, 13, 3455.	1.3	4
69	PDMAEMA/Polyester Miktopolymers: Synthesis via In-Out Approach, Physicochemical Characterization and Enzymatic Degradation. Materials, 2021, 14, 1277.	1.3	4
70	The Influence of Polymer Composition on the Hydrolytic and Enzymatic Degradation of Polyesters and Their Block Copolymers with PDMAEMA. Materials, 2021, 14, 3636.	1.3	4
71	Influence of substituent on the polymerization of oxiranes by potassium hydride. Macromolecular Chemistry and Physics, 1999, 200, 2467-2470.	1.1	4
72	High molecular weight diblock and ABA/ABC triblock copolymers of tertâ€butyl (meth)acrylate. Polymer International, 2012, 61, 951-958.	1.6	3

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73	Interactions between fluorescein isothiocyanate and star-shaped polymer carriers studied by isothermal titration calorimetry (ITC). Thermochimica Acta, 2016, 641, 8-13.	1.2	3
74	Electrospray ionization tandem mass spectrometric characterization of the new functional oligo(ether-ester)s structure. Rapid Communications in Mass Spectrometry, 2007, 21, 1019-1024.	0.7	2
75	Selfâ€assembling waterâ€soluble polymethacrylateâ€“MTX conjugates: The significance of macromolecules architecture on drug conjugation efficiency, the final shape of particles, and drug release. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 2476-2487.	1.6	2
76	Grafted polymethacrylate nanocarriers in drug delivery. , 2020, , 271-295.		2
77	Luminescence properties of novel substituted polyethers. , 2000, , .		1
78	Synthesis and polymerization of a novel oxirane bearing a cyclic acetal of salicylaldehyde chain moiety. Polymer International, 2004, 53, 364-369.	1.6	1
79	Modeling the internal structure of micelles in a delivery system based on 4-arm star shaped polymers. Physica A: Statistical Mechanics and Its Applications, 2019, 531, 121793.	1.2	1
80	Micellar Carriers of Active Substances Based on Amphiphilic PEG/PDMS Heterograft Copolymers: Synthesis and Biological Evaluation of Safe Use on Skin. International Journal of Molecular Sciences, 2021, 22, 1202.	1.8	1
81	Influence of the kind of crown ether on the heterogeneous polymerization of propylene oxide in the presence of potassium hydride. Macromolecular Chemistry and Physics, 1998, 199, 175-177.	1.1	1