

RafaÅ, KonefaÅ,

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9368552/publications.pdf>

Version: 2024-02-01

63
papers

1,269
citations

361413

20
h-index

414414

32
g-index

63
all docs

63
docs citations

63
times ranked

2190
citing authors

#	ARTICLE	IF	CITATIONS
1	Insight into the aqueous Laponite® nanodispersions for self-assembled poly(itaconic acid) nanocomposite hydrogels: The effect of multivalent phosphate dispersants. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 1-12.	9.4	8
2	Glycopolymers Decorated with 3-O-Substituted Thiodigalactosides as Potent Multivalent Inhibitors of Galectin-3. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 3866-3878.	6.4	10
3	Phosphorus-Containing Polymeric Zwitterion: A Pioneering Bioresponsive Probe for ³¹ P-Magnetic Resonance Imaging. <i>Macromolecular Bioscience</i> , 2022, 22, e2100523.	4.1	5
4	Engineering of pH-triggered nanoplatfoms based on novel poly(2-methyl-2-oxazoline)-b-poly[2-(diisopropylamino)ethyl methacrylate] diblock copolymers with tunable morphologies for biomedical applications. <i>Polymer Chemistry</i> , 2021, 12, 2868-2880.	3.9	5
5	HPMA-Based Copolymers Carrying STAT3 Inhibitor Cucurbitacin-D as Stimulus-Sensitive Nanomedicines for Oncotherapy. <i>Pharmaceutics</i> , 2021, 13, 179.	4.5	4
6	Copolymer chain formation of 2-oxazolines by in situ ¹ H-NMR spectroscopy: dependence of sequential composition on substituent structure and monomer ratios. <i>RSC Advances</i> , 2021, 11, 10468-10478.	3.6	3
7	Development of an Acid-Labile Ketal Linked Amphiphilic Block Copolymer Nanoparticles for pH-Triggered Release of Paclitaxel. <i>Polymers</i> , 2021, 13, 1465.	4.5	5
8	Enhanced Antitumor Efficacy through an AND gate-Responsive Oxygen-Species-Dependent pH-Responsive Nanomedicine Approach. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100304.	7.6	9
9	Colloidal probe based on iron(III)-doped calcium phytate nanoparticles for ³¹ P NMR monitoring of bacterial siderophores. <i>Colloids and Interface Science Communications</i> , 2021, 42, 100427.	4.1	6
10	Microwave-assisted RAFT polymerization of N-(2-hydroxypropyl) methacrylamide and its relevant copolymers. <i>Reactive and Functional Polymers</i> , 2021, 162, 104875.	4.1	5
11	Fluorine-Containing Block and Gradient Copoly(2-oxazoline)s Based on 2-(3,3,3-Trifluoropropyl)-2-oxazoline: A Quest for the Optimal Self-Assembled Structure for ¹⁹ F Imaging. <i>Biomacromolecules</i> , 2021, 22, 2963-2975.	5.4	6
12	Reconstructing Reliable Powder Patterns from Spikelets (Q)CPMG NMR Spectra: Simplification of UWNMR Crystallography Analysis. <i>Molecules</i> , 2021, 26, 6051.	3.8	3
13	Thermoresponsive behavior of poly(DEGMA)-based copolymers. NMR and dynamic light scattering study of aqueous solutions. <i>European Polymer Journal</i> , 2020, 124, 109488.	5.4	9
14	High-Affinity N-(2-Hydroxypropyl)methacrylamide Copolymers with Tailored N-Acetylglucosamine Presentation Discriminate between Galectins. <i>Biomacromolecules</i> , 2020, 21, 641-652.	5.4	24
15	Human metabolite-derived alkylsuccinate/dilinoleate copolymers: from synthesis to application. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9980-9996.	5.8	3
16	Effect of PAMAM Dendrimers on Interactions and Transport of LiTFSI and NaTFSI in Propylene Carbonate-Based Electrolytes. <i>Polymers</i> , 2020, 12, 1595.	4.5	12
17	The Influence of Nanofiller Shape and Nature on the Functional Properties of Waterborne Poly(urethane-urea) Nanocomposite Films. <i>Polymers</i> , 2020, 12, 2001.	4.5	3
18	Temperature Behavior of Aqueous Solutions of Poly(2-Oxazoline) Homopolymer and Block Copolymers Investigated by NMR Spectroscopy and Dynamic Light Scattering. <i>Polymers</i> , 2020, 12, 1879.	4.5	9

#	ARTICLE	IF	CITATIONS
19	Graft copolymers with tunable amphiphilicity tailored for efficient dual drug delivery <i>via</i> encapsulation and pH-sensitive drug conjugation. <i>Polymer Chemistry</i> , 2020, 11, 4438-4453.	3.9	13
20	ε-Butyrolactone Copolymerization with the Well-Documented Polymer Drug Carrier Poly(ethylene Terephthalate) Overlock 10 T 2020, 20, 1900408.	4.1	5
21	Reactive Oxygen Species (ROS)-Responsive Polymersomes with Site-Specific Chemotherapeutic Delivery into Tumors via Spacer Design Chemistry. <i>Biomacromolecules</i> , 2020, 21, 1437-1449.	5.4	29
22	High-Molecular-Weight Polyampholytes Synthesized via Daylight-Induced, Initiator-Free Radical Polymerization of Renewable Itaconic Acid. <i>Macromolecular Rapid Communications</i> , 2020, 41, e1900611.	3.9	14
23	Unraveling and Mitigating the Storage Instability of Fluoroethylene Carbonate-Containing LiPF ₆ Electrolytes To Stabilize Lithium Metal Anodes for High-Temperature Rechargeable Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 4925-4935.	5.1	49
24	Self-Catalyzed Coupling between Brønsted-Acidic Imidazolium Salts and Epoxy-Based Materials: A Theoretical/Experimental Study. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19050-19061.	6.7	5
25	Hybrid ε-carrageenan-based polymers showing a schizophrenic lower and upper critical solution temperatures and potassium responsiveness. <i>Carbohydrate Polymers</i> , 2019, 210, 26-37.	10.2	12
26	Scavenging of reactive oxygen species by phenolic compound-modified maghemite nanoparticles. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1073-1088.	2.8	23
27	Microfluidic-Assisted Engineering of Quasi-Monodisperse pH-Responsive Polymersomes toward Advanced Platforms for the Intracellular Delivery of Hydrophilic Therapeutics. <i>Langmuir</i> , 2019, 35, 8363-8372.	3.5	18
28	Unexpected irregular structures of poly(itaconic acid) prepared in Deep Eutectic Solvents. <i>European Polymer Journal</i> , 2019, 115, 30-36.	5.4	7
29	In Situ In Vivo radiolabeling of polymer-coated hydroxyapatite nanoparticles to track their biodistribution in mice. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 179, 143-152.	5.0	11
30	Rifampicin Nanoformulation Enhances Treatment of Tuberculosis in Zebrafish. <i>Biomacromolecules</i> , 2019, 20, 1798-1815.	5.4	30
31	Obtaining of silver nanopowders by the thermal decomposition of fatty silver salts with various chain length. <i>Materials Research Express</i> , 2019, 6, 065046.	1.6	5
32	Antioxidant polymer-modified maghemite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 473, 517-526.	2.3	4
33	Thermoresponsive poly(2-oxazoline) homopolymers and copolymers in aqueous solutions studied by NMR spectroscopy and dynamic light scattering. <i>European Polymer Journal</i> , 2018, 100, 241-252.	5.4	16
34	Poly(ethylene oxide monomethyl ether)- <i>block</i> -poly(propylene succinate) Nanoparticles: Synthesis and Characterization, Enzymatic and Cellular Degradation, Micellar Solubilization of Paclitaxel, and in Vitro and in Vivo Evaluation. <i>Biomacromolecules</i> , 2018, 19, 2443-2458.	5.4	11
35	Polymer nitric oxide donors potentiate the treatment of experimental solid tumours by increasing drug accumulation in the tumour tissue. <i>Journal of Controlled Release</i> , 2018, 269, 214-224.	9.9	27
36	Structural changes on polymeric nanoparticles induced by hydrophobic drug entrapment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 238-249.	4.7	13

#	ARTICLE	IF	CITATIONS
37	Biocompatible glyconanomaterials based on HPMA-copolymer for specific targeting of galectin-3. <i>Journal of Nanobiotechnology</i> , 2018, 16, 73.	9.1	32
38	<i>N</i> -(2-Hydroxypropyl)methacrylamide-Based Linear, Diblock, and Starlike Polymer Drug Carriers: Advanced Process for Their Simple Production. <i>Biomacromolecules</i> , 2018, 19, 4003-4013.	5.4	22
39	Hybrid thermoresponsive graft constructs of fungal polysaccharide β -glucan: Physico-chemical and immunomodulatory properties. <i>European Polymer Journal</i> , 2018, 106, 118-127.	5.4	14
40	Persulfate initiated free-radical polymerization of itaconic acid: Kinetics, end-groups and side products. <i>European Polymer Journal</i> , 2018, 106, 63-71.	5.4	22
41	Self-Assembled Thermoresponsive Polymeric Nanogels for ^{19}F MR Imaging. <i>Biomacromolecules</i> , 2018, 19, 3515-3524.	5.4	49
42	One-pot synthesis of reactive oxygen species (ROS)-self-immolative polyoxalate prodrug nanoparticles for hormone dependent cancer therapy with minimized side effects. <i>Polymer Chemistry</i> , 2017, 8, 1999-2004.	3.9	27
43	Ionic Liquid-Silica Precursors via Solvent-Free Sol-Gel Process and Their Application in Epoxy-Amine Network: A Theoretical/Experimental Study. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 16474-16487.	8.0	17
44	Structure and Dynamics of Alginate Gels Cross-Linked by Polyvalent Ions Probed via Solid State NMR Spectroscopy. <i>Biomacromolecules</i> , 2017, 18, 2478-2488.	5.4	115
45	Reductively Degradable Poly(2-hydroxyethyl methacrylate) Hydrogels with Oriented Porosity for Tissue Engineering Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10544-10553.	8.0	47
46	Glycan-decorated HPMA copolymers as high-affinity lectin ligands. <i>Polymer Chemistry</i> , 2017, 8, 2647-2658.	3.9	30
47	Insight into the cryopolymerization to form a poly(<i>N</i> -isopropylacrylamide)/clay macroporous gel: structure and phase evolution. <i>Soft Matter</i> , 2017, 13, 1244-1256.	2.7	19
48	Thermoresponsive behavior of block copolymers of PEO and PNIPAm with different architecture in aqueous solutions: A study by NMR, FTIR, DSC and quantum-chemical calculations. <i>European Polymer Journal</i> , 2017, 94, 471-483.	5.4	16
49	Carbon nanospecies affecting amyloid formation. <i>RSC Advances</i> , 2017, 7, 53887-53898.	3.6	11
50	System with embedded drug release and nanoparticle degradation sensor showing efficient rifampicin delivery into macrophages. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 307-315.	3.3	38
51	NMR Study of Thermoresponsive Block Copolymer in Aqueous Solution. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 1370-1375.	2.2	14
52	Temperature-Induced Phase Transition in Aqueous Solutions of Poly(<i>N</i> -isopropylacrylamide)-Based Block Copolymer. <i>Macromolecular Symposia</i> , 2016, 369, 92-96.	0.7	1
53	Superparamagnetic Fe ₃ O ₄ Nanoparticles: Synthesis by Thermal Decomposition of Iron(III) Glucuronate and Application in Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7238-7247.	8.0	114
54	Modified glycogen as construction material for functional biomimetic microfibers. <i>Carbohydrate Polymers</i> , 2016, 152, 271-279.	10.2	10

#	ARTICLE	IF	CITATIONS
55	Thermoresponsive behaviour of terpolymers containing poly(ethylene oxide), poly(2-ethyl-2-oxazoline) and poly(μ -caprolactone) blocks in aqueous solutions: an NMR study. <i>Colloid and Polymer Science</i> , 2016, 294, 1717-1726.	2.1	12
56	Synthesis and Solution Properties of PCL-b-PPMA Diblock Copolymers Containing Stable Nitroxyl Radicals. <i>Macromolecules</i> , 2016, 49, 5407-5417.	4.8	15
57	Thermoresponsive Polymers for Nuclear Medicine: Which Polymer Is the Best?. <i>Langmuir</i> , 2016, 32, 6115-6122.	3.5	40
58	Fluorescent boronate-based polymer nanoparticles with reactive oxygen species (ROS)-triggered cargo release for drug-delivery applications. <i>Nanoscale</i> , 2016, 8, 6958-6963.	5.6	54
59	Additive Effects on Phase Transition and Interactions in Poly(vinyl methyl ether) Solutions. <i>Polymers</i> , 2015, 7, 2572-2583.	4.5	13
60	Biocompatible succinic acid-based polyesters for potential biomedical applications: fungal biofilm inhibition and mesenchymal stem cell growth. <i>RSC Advances</i> , 2015, 5, 85756-85766.	3.6	14
61	Poly(<i>N</i> -isopropylacrylamide) "clay based hydrogels controlled by the initiating conditions: evolution of structure and gel formation. <i>Soft Matter</i> , 2015, 11, 9291-9306.	2.7	58
62	Novel poly(ethylene oxide monomethyl ether)-b-poly(μ -caprolactone) diblock copolymers containing a pH-acid labile ketal group as a block linkage. <i>Polymer Chemistry</i> , 2014, 5, 3884-3893.	3.9	29
63	Monodisperse superparamagnetic nanoparticles by thermolysis of Fe(III) oleate and mandelate complexes. <i>Colloid and Polymer Science</i> , 2014, 292, 2097-2110.	2.1	15