# RafaÅ, KonefaÅ,

List of Publications by Year
in descending order

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

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 63<br>papers | 1,269<br>citations | 361413<br>20<br>h-index | 414414<br>32<br>g-index |
| 63<br>all docs | 63<br>docs citations | 63<br>times ranked | 2190<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Structure and Dynamics of Alginate Gels Cross-Linked by Polyvalent Ions Probed via Solid State NMR Spectroscopy. Biomacromolecules, 2017, 18, 2478-2488. | 5.4 | 115 |
| 2 | Superparamagnetic Fe3O4 Nanoparticles: Synthesis by Thermal Decomposition of Iron(III) Glucuronate and Application in Magnetic Resonance Imaging. ACS Applied Materials & Interfaces, 2016, 8, 7238-7247. | 8.0 | 114 |
| 3 | Poly(N-isopropylacrylamide)â€“clay based hydrogels controlled by the initiating conditions: evolution of structure and gel formation. Soft Matter, 2015, 11, 9291-9306. | 2.7 | 58 |
| 4 | Fluorescent boronate-based polymer nanoparticles with reactive oxygen species (ROS)-triggered cargo release for drug-delivery applications. Nanoscale, 2016, 8, 6958-6963. | 5.6 | 54 |
| 5 | Self-Assembled Thermoresponsive Polymeric Nanogels for <sup>19</sup>F MR Imaging. Biomacromolecules, 2018, 19, 3515-3524. | 5.4 | 49 |
| 6 | Unraveling and Mitigating the Storage Instability of Fluoroethylene Carbonate-Containing LiPF<sub>6</sub> Electrolytes To Stabilize Lithium Metal Anodes for High-Temperature Rechargeable Batteries. ACS Applied Energy Materials, 2019, 2, 4925-4935. | 5.1 | 49 |
| 7 | Reductively Degradable Poly(2-hydroxyethyl methacrylate) Hydrogels with Oriented Porosity for Tissue Engineering Applications. ACS Applied Materials & Interfaces, 2017, 9, 10544-10553. | 8.0 | 47 |
| 8 | Thermoresponsive Polymers for Nuclear Medicine: Which Polymer Is the Best?. Langmuir, 2016, 32, 6115-6122. | 3.5 | 40 |
| 9 | System with embedded drug release and nanoparticle degradation sensor showing efficient rifampicin delivery into macrophages. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 307-315. | 3.3 | 38 |
| 10 | Biocompatible glyconanomaterials based on HPMA-copolymer for specific targeting of galectin-3. Journal of Nanobiotechnology, 2018, 16, 73. | 9.1 | 32 |
| 11 | Glycan-decorated HPMA copolymers as high-affinity lectin ligands. Polymer Chemistry, 2017, 8, 2647-2658. | 3.9 | 30 |
| 12 | Rifampicin Nanoformulation Enhances Treatment of Tuberculosis in Zebrafish. Biomacromolecules, 2019, 20, 1798-1815. | 5.4 | 30 |
| 13 | Novel poly(ethylene oxide monomethyl ether)-b-poly(Îµ-caprolactone) diblock copolymers containing a pH-acid labile ketal group as a block linkage. Polymer Chemistry, 2014, 5, 3884-3893. | 3.9 | 29 |
| 14 | Reactive Oxygen Species (ROS)-Responsive Polymersomes with Site-Specific Chemotherapeutic Delivery into Tumors via Spacer Design Chemistry. Biomacromolecules, 2020, 21, 1437-1449. | 5.4 | 29 |
| 15 | One-pot synthesis of reactive oxygen species (ROS)-self-immolative polyoxalate prodrug nanoparticles for hormone dependent cancer therapy with minimized side effects. Polymer Chemistry, 2017, 8, 1999-2004. | 3.9 | 27 |
| 16 | Polymer nitric oxide donors potentiate the treatment of experimental solid tumours by increasing drug accumulation in the tumour tissue. Journal of Controlled Release, 2018, 269, 214-224. | 9.9 | 27 |
| 17 | High-Affinity N-(2-Hydroxypropyl)methacrylamide Copolymers with Tailored N-Acetyllactosamine Presentation Discriminate between Galectins. Biomacromolecules, 2020, 21, 641-652. | 5.4 | 24 |
| 18 | Scavenging of reactive oxygen species by phenolic compound-modified maghemite nanoparticles. Beilstein Journal of Nanotechnology, 2019, 10, 1073-1088. | 2.8 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | N-(2-Hydroxypropyl)methacrylamide-Based Linear, Diblock, and Starlike Polymer Drug Carriers: Advanced Process for Their Simple Production. Biomacromolecules, 2018, 19, 4003-4013. | 5.4 | 22 |
| 20 | Persulfate initiated free-radical polymerization of itaconic acid: Kinetics, end-groups and side products. European Polymer Journal, 2018, 106, 63-71. | 5.4 | 22 |
| 21 | Insight into the cryopolymerization to form a poly(N-isopropylacrylamide)/clay macroporous gel: structure and phase evolution. Soft Matter, 2017, 13, 1244-1256. | 2.7 | 19 |
| 22 | Microfluidic-Assisted Engineering of Quasi-Monodisperse pH-Responsive Polymersomes toward Advanced Platforms for the Intracellular Delivery of Hydrophilic Therapeutics. Langmuir, 2019, 35, 8363-8372. | 3.5 | 18 |
| 23 | Ionic Liquid-Silica Precursors via Solvent-Free Solâ€“Gel Process and Their Application in Epoxy-Amine Network: A Theoretical/Experimental Study. ACS Applied Materials & Interfaces, 2017, 9, 16474-16487. | 8.0 | 17 |
| 24 | 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. European Polymer Journal, 2017, 94, 471-483. | 5.4 | 16 |
| 25 | Thermoresponsive poly(2-oxazoline) homopolymers and copolymers in aqueous solutions studied by NMR spectroscopy and dynamic light scattering. European Polymer Journal, 2018, 100, 241-252. | 5.4 | 16 |
| 26 | Monodisperse superparamagnetic nanoparticles by thermolysis of Fe(III) oleate and mandelate complexes. Colloid and Polymer Science, 2014, 292, 2097-2110. | 2.1 | 15 |
| 27 | Synthesis and Solution Properties of PCL-b-PHPMA Diblock Copolymers Containing Stable Nitroxyl Radicals. Macromolecules, 2016, 49, 5407-5417. | 4.8 | 15 |
| 28 | Biocompatible succinic acid-based polyesters for potential biomedical applications: fungal biofilm inhibition and mesenchymal stem cell growth. RSC Advances, 2015, 5, 85756-85766. | 3.6 | 14 |
| 29 | NMR Study of Thermoresponsive Block Copolymer in Aqueous Solution. Macromolecular Chemistry and Physics, 2016, 217, 1370-1375. | 2.2 | 14 |
| 30 | Hybrid thermoresponsive graft constructs of fungal polysaccharide Î²-glucan: Physico-chemical and immunomodulatory properties. European Polymer Journal, 2018, 106, 118-127. | 5.4 | 14 |
| 31 | Highâ€Molecularâ€Weight Polyampholytes Synthesized via Daylightâ€Induced, Initiatorâ€Free Radical Polymerization of Renewable Itaconic Acid. Macromolecular Rapid Communications, 2020, 41, e1900611. | 3.9 | 14 |
| 32 | Additive Effects on Phase Transition and Interactions in Poly(vinyl methyl ether) Solutions. Polymers, 2015, 7, 2572-2583. | 4.5 | 13 |
| 33 | Structural changes on polymeric nanoparticles induced by hydrophobic drug entrapment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 238-249. | 4.7 | 13 |
| 34 | Graft copolymers with tunable amphiphilicity tailored for efficient dual drug delivery via encapsulation and pH-sensitive drug conjugation. Polymer Chemistry, 2020, 11, 4438-4453. | 3.9 | 13 |
| 35 | Thermoresponsive behaviour of terpolymers containing poly(ethylene oxide), poly(2-ethyl-2-oxazoline) and poly(Îµ-caprolactone) blocks in aqueous solutions: an NMR study. Colloid and Polymer Science, 2016, 294, 1717-1726. | 2.1 | 12 |
| 36 | Hybrid Îº-carrageenan-based polymers showing â€œschizophrenicâ€• lower and upper critical solution temperatures and potassium responsiveness. Carbohydrate Polymers, 2019, 210, 26-37. | 10.2 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Effect of PAMAM Dendrimers on Interactions and Transport of LiTFSI and NaTFSI in Propylene Carbonate-Based Electrolytes. Polymers, 2020, 12, 1595. | 4.5 | 12 |
| 38 | Carbon nanospecies affecting amyloid formation. RSC Advances, 2017, 7, 53887-53898. | 3.6 | 11 |
| 39 | Poly(ethylene oxide monomethyl ether)-block-poly(propylene succinate) Nanoparticles: Synthesis and Characterization, Enzymatic and Cellular Degradation, Micellar Solubilization of Paclitaxel, and in Vitro and in Vivo Evaluation. Biomacromolecules, 2018, 19, 2443-2458. | 5.4 | 11 |
| 40 | In Situ In Vivo radiolabeling of polymer-coated hydroxyapatite nanoparticles to track their biodistribution in mice. Colloids and Surfaces B: Biointerfaces, 2019, 179, 143-152. | 5.0 | 11 |
| 41 | Modified glycogen as construction material for functional biomimetic microfibers. Carbohydrate Polymers, 2016, 152, 271-279. | 10.2 | 10 |
| 42 | Glycopolymers Decorated with 3-O-Substituted Thiodigalactosides as Potent Multivalent Inhibitors of Galectin-3. Journal of Medicinal Chemistry, 2022, 65, 3866-3878. | 6.4 | 10 |
| 43 | Thermoresponsive behavior of poly(DEGMA)-based copolymers. NMR and dynamic light scattering study of aqueous solutions. European Polymer Journal, 2020, 124, 109488. | 5.4 | 9 |
| 44 | Temperature Behavior of Aqueous Solutions of Poly(2-Oxazoline) Homopolymer and Block Copolymers Investigated by NMR Spectroscopy and Dynamic Light Scattering. Polymers, 2020, 12, 1879. | 4.5 | 9 |
| 45 | Enhanced Antitumor Efficacy through an â€œAND gateâ€•Reactive Oxygenâ€Speciesâ€Dependent pHâ€Responsive Nanomedicine Approach. Advanced Healthcare Materials, 2021, 10, e2100304. | 7.6 | 9 |
| 46 | Insight into the aqueous LaponiteÂ® nanodispersions for self-assembled poly(itaconic acid) nanocomposite hydrogels: The effect of multivalent phosphate dispersants. Journal of Colloid and Interface Science, 2022, 610, 1-12. | 9.4 | 8 |
| 47 | Unexpected irregular structures of poly(itaconic acid) prepared in Deep Eutectic Solvents. European Polymer Journal, 2019, 115, 30-36. | 5.4 | 7 |
| 48 | Đ¡olloidal probe based on iron(III)-doped calcium phytate nanoparticles for 31P NMR monitoring of bacterial siderophores. Colloids and Interface Science Communications, 2021, 42, 100427. | 4.1 | 6 |
| 49 | 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 <sup>19</sup>F Imaging. Biomacromolecules, 2021, 22, 2963-2975. | 5.4 | 6 |
| 50 | Self-Catalyzed Coupling between BrÃ¸nsted-Acidic Imidazolium Salts and Epoxy-Based Materials: A Theoretical/Experimental Study. ACS Sustainable Chemistry and Engineering, 2019, 7, 19050-19061. | 6.7 | 5 |
| 51 | Obtaining of silver nanopowders by the thermal decomposition of fatty silver salts with various chain length. Materials Research Express, 2019, 6, 065046. | 1.6 | 5 |
| 52 | Î³â€Butyrolactone Copolymerization with the Wellâ€Documented Polymer Drug Carrier Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 T 2020, 20, 1900408. | 4.1 | 5 |
| 53 | Engineering of pH-triggered nanoplatforms based on novel poly(2-methyl-2-oxazoline)-b-poly[2-(diisopropylamino)ethyl methacrylate] diblock copolymers with tunable morphologies for biomedical applications. Polymer Chemistry, 2021, 12, 2868-2880. | 3.9 | 5 |
| 54 | Development of an Acid-Labile Ketal Linked Amphiphilic Block Copolymer Nanoparticles for pH-Triggered Release of Paclitaxel. Polymers, 2021, 13, 1465. | 4.5 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Microwave-assisted RAFT polymerization of N-(2-hydroxypropyl) methacrylamide and its relevant copolymers. Reactive and Functional Polymers, 2021, 162, 104875. | 4.1 | 5 |
| 56 | Phosphorusâ€Containing Polymeric Zwitterion: A Pioneering Bioresponsive Probe for <sup>31</sup>Pâ€Magnetic Resonance Imaging. Macromolecular Bioscience, 2022, 22, e2100523. | 4.1 | 5 |
| 57 | Antioxidant polymer-modified maghemite nanoparticles. Journal of Magnetism and Magnetic Materials, 2019, 473, 517-526. | 2.3 | 4 |
| 58 | HPMA-Based Copolymers Carrying STAT3 Inhibitor Cucurbitacin-D as Stimulus-Sensitive Nanomedicines for Oncotherapy. Pharmaceutics, 2021, 13, 179. | 4.5 | 4 |
| 59 | Human metabolite-derived alkylsuccinate/dilinoleate copolymers: from synthesis to application. Journal of Materials Chemistry B, 2020, 8, 9980-9996. | 5.8 | 3 |
| 60 | The Influence of Nanofiller Shape and Nature on the Functional Properties of Waterborne Poly(urethane-urea) Nanocomposite Films. Polymers, 2020, 12, 2001. | 4.5 | 3 |
| 61 | Copolymer chain formation of 2-oxazolines by in situ<sup>1</sup>H-NMR spectroscopy: dependence of sequential composition on substituent structure and monomer ratios. RSC Advances, 2021, 11, 10468-10478. | 3.6 | 3 |
| 62 | Reconstructing Reliable Powder Patterns from Spikelets (Q)CPMG NMR Spectra: Simplification of UWNMR Crystallography Analysis. Molecules, 2021, 26, 6051. | 3.8 | 3 |
| 63 | Temperatureâ€Induced Phase Transition in Aqueous Solutions of Poly(Nâ€isopropylacrylamide)â€Based Block Copolymer. Macromolecular Symposia, 2016, 369, 92-96. | 0.7 | 1 |