# Germano Heinzelmann

List of Publications by Year
in descending order

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|---|---|---|---|
| 48 papers | 740 citations | 566801 15 h-index | 580395 25 g-index |
| 49 all docs | 49 docs citations | 49 times ranked | 1014 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mechanism and Kinetics of Lipase-Catalyzed Polycondensation of Glycerol and Sebacic Acid: Influence of Solvent and Temperature. Biomacromolecules, 2022, 23, 2968-2975. | 2.6 | 6 |
| 2 | Plasticization of poly(3â€hydroxybutyrate) with triethyl citrate: Thermal and mechanical properties, morphology, and kinetics of crystallization. Journal of Applied Polymer Science, 2021, 138, 49990. | 1.3 | 14 |
| 3 | Automation of absolute protein-ligand binding free energy calculations for docking refinement and compound evaluation. Scientific Reports, 2021, 11, 1116. | 1.6 | 49 |
| 4 | Plasticization of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) with an Oligomeric Polyester: Miscibility and Effect of the Microstructure and Plasticizer Distribution on Thermal and Mechanical Properties. ACS Omega, 2021, 6, 3278-3290. | 1.6 | 24 |
| 5 | Self-assembly of dual-responsive amphiphilic POEGMA-b-P4VP-b-POEGMA triblock copolymers: effect of temperature, pH, and complexation with Cu<sup>2+</sup>. Polymer Chemistry, 2021, 12, 4668-4679. | 1.9 | 4 |
| 6 | Combining CROP and ATRP to synthesize pH-responsive poly(2-ethyl-2-oxazoline-b-4-vinylpyridine) block copolymers. Polymer Chemistry, 2021, 12, 4680-4695. | 1.9 | 4 |
| 7 | Twoâ€step route polycondensation for polynaphthalimides synthesis through high molar mass soluble precursors: A kinetic study. Journal of Applied Polymer Science, 2020, 137, 49262. | 1.3 | 1 |
| 8 | pH and thermo-responsive hybrid hydrogels based on PNIPAAM and keratin. European Polymer Journal, 2020, 125, 109538. | 2.6 | 7 |
| 9 | Triblock Copolymers Based on Sucrose Methacrylate and Methyl Methacrylate: RAFT Polymerization and Selfâ€Assembly. Macromolecular Chemistry and Physics, 2020, 221, 1900561. | 1.1 | 5 |
| 10 | A one-pot, solvent-free, and controlled synthetic route for thermoresponsive hyperbranched polyurethanes. Polymer Chemistry, 2020, 11, 6295-6307. | 1.9 | 10 |
| 11 | Colloidal Behavior of Cellulose Nanocrystals Grafted with Poly(2-alkyl-2-oxazoline)s. ACS Omega, 2019, 4, 11893-11905. | 1.6 | 12 |
| 12 | Macroporous hydrogels based on carbohydrates monomethacrylates and dimethacrylates: singular properties from carbohydrateâ€based crosslinkers. Journal of Chemical Technology and Biotechnology, 2019, 94, 1913-1924. | 1.6 | 3 |
| 13 | Shedding Light on the Hydrolysis Mechanism of cis, trans-[Ru(dmso)<sub>4</sub>Cl<sub>2</sub>] Complexes and Their Interactions with DNAâ€”A Computational Perspective. Journal of Physical Chemistry B, 2019, 123, 457-467. | 1.2 | 3 |
| 14 | A theoretical investigation on the aminolysis of pyromellitic and 1,4,5,8-naphthalenetetracarboxylic dianhydrides. Computational and Theoretical Chemistry, 2019, 1147, 13-19. | 1.1 | 1 |
| 15 | Enzymatic synthesis and structural characterization of methacryloylâ€Dâ€fructoseâ€and methacryloylâ€Dâ€glucoseâ€based monomers and poly(methacryloylâ€Dâ€fructose)â€based hydrogels. Journal of Chemical Technology and Biotechnology, 2018, 93, 1694-1704. | 1.6 | 16 |
| 16 | Amphiphilic polyurethane hydrogels as smart carriers for acidic hydrophobic drugs. International Journal of Pharmaceutics, 2018, 546, 106-114. | 2.6 | 39 |
| 17 | Sucrose Methacrylate-Based Amphiphilic Block Copolymers. Macromolecular Chemistry and Physics, 2017, 218, 1600452. | 1.1 | 9 |
| 18 | Telechelic Poly(bisphenol A carbonate) Synthesis by Glycolysis: A Response Surface Methodology Approach. Industrial & Engineering Chemistry Research, 2017, 56, 3983-3992. | 1.8 | 5 |

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|---|---|---|---|
| 19 | Thermoresponsive hydrogels based on sucrose 1â€Oâ€²â€methacrylate and Nâ€isopropylacrylamide: Synthesis, properties, and applications. Journal of Applied Polymer Science, 2017, 134, 45495. | 1.3 | 12 |
| 20 | Attach-Pull-Release Calculations of Ligand Binding and Conformational Changes on the First BRD4 Bromodomain. Journal of Chemical Theory and Computation, 2017, 13, 3260-3275. | 2.3 | 49 |
| 21 | Thermoâ€responsive polyurethane hydrogels based on poly(ethylene glycol) and poly(caprolactone): Physicoâ€chemical and mechanical properties. Journal of Applied Polymer Science, 2016, 133, . | 1.3 | 26 |
| 22 | Confined PEO crystallisation in immiscible PEO/PLLA blends. RSC Advances, 2016, 6, 30937-30950. | 1.7 | 22 |
| 23 | Dynamics of micelle formation from temperature-jump Monte Carlo simulations. Physical Review E, 2015, 92, 052305. | 0.8 | 3 |
| 24 | Effect of diisocyanates and chain extenders on the physicochemical properties and morphology of multicomponent segmented polyurethanes based on poly(l -lactide), poly(ethylene glycol) and poly(trimethylene carbonate). Polymer International, 2015, 64, 1326-1335. | 1.6 | 13 |
| 25 | Computational Studies of Glutamate Transporters. Biomolecules, 2015, 5, 3067-3086. | 1.8 | 6 |
| 26 | Electrospun nanofibrous scaffolds of segmented polyurethanes based on PEG, PLLA and PTMC blocks: Physico-chemical properties and morphology. Materials Science and Engineering C, 2015, 56, 511-517. | 3.8 | 36 |
| 27 | Calculation of free energy changes due to mutations from alchemical free energy simulations. Journal of Theoretical and Computational Chemistry, 2015, 14, 1550023. | 1.8 | 6 |
| 28 | Molecular Dynamics Simulations of the Mammalian Glutamate Transporter EAAT3. PLoS ONE, 2014, 9, e92089. | 1.1 | 18 |
| 29 | The influence of rigid and flexible monomers on the physicalâ€chemical properties of polyimides. Journal of Applied Polymer Science, 2014, 131, . | 1.3 | 5 |
| 30 | Computation of Standard Binding Free Energies of Polar and Charged Ligands to the Glutamate Receptor GluA2. Journal of Physical Chemistry B, 2014, 118, 1813-1824. | 1.2 | 27 |
| 31 | Molecular Dynamics Simulations Elucidate the Mechanism of Proton Transport in the Glutamate Transporter EAAT3. Biophysical Journal, 2014, 106, 2675-2683. | 0.2 | 13 |
| 32 | Influence of the synthesis conditions on the structural and thermal properties of poly(<scp>l</scp>â€lactide)â€bâ€poly(ethylene glycol)â€bâ€poly(<scp>l</scp>â€lactide). Journal of Applied Polymer Science, 2014, 131, . | 1.3 | 10 |
| 33 | Na+ Interactions with the Neutral Amino Acid Transporter ASCT1. Journal of Biological Chemistry, 2014, 289, 17468-17479. | 1.6 | 21 |
| 34 | Structures and morphologies of in situ polymerized blends of PMMA and ASA. Journal of Applied Polymer Science, 2013, 130, 654-664. | 1.3 | 7 |
| 35 | Insights into the Human Glutamate Transporters from the Bacterial Homolog Glt(Ph). Biophysical Journal, 2013, 104, 109a. | 0.2 | 0 |
| 36 | Preparation and characterization of cellulose acetate/polysiloxane composites. Cellulose, 2013, 20, 2791-2802. | 2.4 | 15 |

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|---|---|---|---|
| 37 | Mechanism and Energetics of Ligand Release in the Aspartate Transporter Glt<sub>Ph</sub>. Journal of Physical Chemistry B, 2013, 117, 5486-5496. | 1.2 | 26 |
| 38 | A Potent and Selective Peptide Blocker of the Kv1.3 Channel: Prediction from Free-Energy Simulations and Experimental Confirmation. PLoS ONE, 2013, 8, e78712. | 1.1 | 58 |
| 39 | Morphology and mechanical properties of nanocomposites of cellulose acetate and organic montmorillonite prepared with different plasticizers. Journal of Applied Polymer Science, 2012, 124, 4628-4635. | 1.3 | 5 |
| 40 | Micellar dynamics and waterâ€“water hydrogen-bonding from temperature-jump Monte Carlo simulations. Chemical Physics Letters, 2012, 550, 83-87. | 1.2 | 6 |
| 41 | Rice husk/poly(propyleneâ€coâ€ethylene) composites: Effect of different coupling agents on mechanical, thermal, and morphological properties. Journal of Applied Polymer Science, 2012, 123, 3337-3344. | 1.3 | 19 |
| 42 | Effect of in situ polymerization conditions of methyl methacrylate on the structural and morphological properties of poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (methacrylate)/poly(acrylonitrileâ€gâ€(eth PMMA/AES Blends. Journal of Applied Polymer Science, 2012, 124, 2846-2856. | 1.3 | 4 |
| 43 | Position of the Third Na+ Site in the Aspartate Transporter GltPh and the Human Glutamate Transporter, EAAT1. PLoS ONE, 2012, 7, e33058. | 1.1 | 65 |
| 44 | Free Energy Simulations of Ligand Binding to the Aspartate Transporter GltPh. Biophysical Journal, 2011, 101, 2380-2388. | 0.2 | 32 |
| 45 | Orientational dynamics for an amphiphilic-solvent solution. Journal of Chemical Physics, 2011, 134, 064901. | 1.2 | 5 |
| 46 | Interplay between micelle formation and waterlike phase transitions. Journal of Chemical Physics, 2010, 132, 064905. | 1.2 | 5 |
| 47 | Monte Carlo simulations for amphiphilic aggregation near a water phase transition. Journal of Chemical Physics, 2009, 131, 144901. | 1.2 | 8 |
| 48 | Stimuliâ€Responsive Hydrogels Based on Random Copolymers of the Sucrose Methacrylate. Macromolecular Materials and Engineering, 0, , 2100378. | 1.7 | 1 |