# Michael R Martinez

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5368664/publications.pdf

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|---|---|---|---|
| 22 papers | 771 citations | 567281 15 h-index | 752698 20 g-index |
| 22 all docs | 22 docs citations | 22 times ranked | 741 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Molecular Bottlebrushes as Novel Materials. Biomacromolecules, 2019, 20, 27-54. | 5.4 | 230 |
| 2 | Universality of the Entanglement Plateau Modulus of Comb and Bottlebrush Polymer Melts. Macromolecules, 2018, 51, 10028-10039. | 4.8 | 61 |
| 3 | Degradable and Recyclable Polymers by Reversible Deactivation Radical Polymerization. CCS Chemistry, 2022, 4, 2176-2211. | 7.8 | 55 |
| 4 | Injectable bottlebrush hydrogels with tissue-mimetic mechanical properties. Science Advances, 2022, 8, eabm2469. | 10.3 | 53 |
| 5 | Stable Activated Furan and Donorâ€“Acceptor Stenhouse Adduct Polymer Conjugates as Chemical and Thermal Sensors. Macromolecules, 2019, 52, 4370-4375. | 4.8 | 46 |
| 6 | Copper(II) Chloride/Tris(2-pyridylmethyl)amine-Catalyzed Depolymerization of Poly(n-butyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 4.8 | 45 |
| 7 | Depolymerization of P(PDMS<sub>11</sub>MA) Bottlebrushes via Atom Transfer Radical Polymerization with Activator Regeneration. Macromolecules, 2021, 54, 5526-5538. | 4.8 | 42 |
| 8 | The effect of pendant group structure on the thermoresponsive properties of N-substituted polyesters. Polymer Chemistry, 2017, 8, 7195-7206. | 3.9 | 36 |
| 9 | Understanding the Relationship between Catalytic Activity and Termination in photoATRP: Synthesis of Linear and Bottlebrush Polyacrylates. Macromolecules, 2020, 53, 59-67. | 4.8 | 31 |
| 10 | Synthesis of high molecular weight poly(n-butyl acrylate) macromolecules via seATRP: From polymer stars to molecular bottlebrushes. European Polymer Journal, 2020, 126, 109566. | 5.4 | 25 |
| 11 | Benefits of Catalyzed Radical Termination: High-Yield Synthesis of Polyacrylate Molecular Bottlebrushes without Gelation. Macromolecules, 2018, 51, 6218-6225. | 4.8 | 24 |
| 12 | A Thermodynamic Roadmap for the Grafting-through Polymerization of PDMS<sub>11</sub>MA. ACS Macro Letters, 2020, 9, 1303-1309. | 4.8 | 20 |
| 13 | Understanding the Synthesis of Linearâ€“Bottlebrushâ€“Linear Block Copolymers: Toward Plastomers with Well-Defined Mechanical Properties. Macromolecules, 2020, 53, 8324-8332. | 4.8 | 19 |
| 14 | Interfacial dilatational rheology as a bridge to connect amphiphilic heterografted bottlebrush copolymer architecture to emulsifying efficiency. Journal of Colloid and Interface Science, 2021, 581, 135-147. | 9.4 | 18 |
| 15 | A coacervate-forming biodegradable polyester with elevated LCST based on bis-(2-methoxyethyl)amine. Polymer Chemistry, 2016, 7, 4693-4702. | 3.9 | 16 |
| 16 | Nonâ€Tacky Fluorinated and Elastomeric STEM Networks. Macromolecular Rapid Communications, 2019, 40, 1800876. | 3.9 | 15 |
| 17 | Fabrication of Porous Functional Nanonetwork-Structured Polymers with Enhanced Adsorption Performance from Well-Defined Molecular Brush Building Blocks. Chemistry of Materials, 2018, 30, 8624-8629. | 6.7 | 13 |
| 18 | Fabrication of Porous Nanonetwork-Structured Carbons from Well-Defined Cylindrical Molecular Bottlebrushes. ACS Applied Materials & Interfaces, 2019, 11, 18763-18769. | 8.0 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Poor Solvents Improve Yield of Grafting-Through Radical Polymerization of OEO<sub>19</sub>MA. ACS Macro Letters, 2020, 9, 674-679. | 4.8 | 10 |
| 20 | Reflection on the Matyjaszewski Lab Webinar Series and the Rise of Webinars in Polymer Chemistry. ACS Macro Letters, 2021, 10, 54-59. | 4.8 | 1 |
| 21 | Thermally Degradable Poly(n-butyl acrylate) Model Networks Prepared by PhotoATRP and Radical Trap-Assisted Atom Transfer Radical Coupling. Polymers, 2022, 14, 713. | 4.5 | 0 |
| 22 | Kinetic comparison of isomeric oligo(ethylene oxide) (meth)acrylates: Aqueous polymerization of oligo(ethylene oxide) methyl ether methacrylate and methyl 2â€(oligo(ethylene oxide) methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 61 | 3.8 | 10 |