

Roel Hammink

List of Publications by Year in descending order

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papers

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1405
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Probing the Lewis Acidity of Boronic Acids through Interactions with Arene Substituents. Chemistry - A European Journal, 2022, 28, . | 1.7 | 8 |
| 2 | Dictating Phenotype, Function, and Fate of Human T Cells with Co-estimulatory Antibodies Presented by Filamentous Immune Cell Mimics. Advanced Therapeutics, 2022, 5, . | 1.6 | 8 |
| 3 | Multifunctional, Multivalent PIC Polymer Scaffolds for Targeting Antigen-Specific, Autoreactive B Cells. ACS Biomaterials Science and Engineering, 2022, 8, 1486-1493. | 2.6 | 4 |
| 4 | Probing Noncovalent Interactions in [3,3]Metaparacyclophanes. Journal of Organic Chemistry, 2022, 87, 6087-6096. | 1.7 | 2 |
| 5 | Through-Space Stabilization of an Imidazolium Cation by Aromatic Rings. Journal of Organic Chemistry, 2022, 87, 7875-7883. | 1.7 | 2 |
| 6 | Semiflexible polymer scaffolds: an overview of conjugation strategies. Polymer Chemistry, 2021, 12, 1362-1392. | 1.9 | 13 |
| 7 | Do Sulfonamides Interact with Aromatic Rings?. Chemistry - A European Journal, 2021, 27, 5721-5729. | 1.7 | 7 |
| 8 | Semiflexible Immunobrushes Induce Enhanced T Cell Activation and Expansion. ACS Applied Materials & Interfaces, 2021, 13, 16007-16018. | 4.0 | 14 |
| 9 | Multivalent Sgc8c-aptamer decorated polymer scaffolds for leukemia targeting. Chemical Communications, 2021, 57, 2744-2747. | 2.2 | 12 |
| 10 | Probing Single-Cell Macrophage Polarization and Heterogeneity Using Thermo-Reversible Hydrogels in Droplet-Based Microfluidics. Frontiers in Bioengineering and Biotechnology, 2021, 9, 715408. | 2.0 | 12 |
| 11 | Through-Space Polar Interactions in 2,6-Diarylthiophenols. ChemPhysChem, 2020, 21, 1080-1080. | 1.0 | 0 |
| 12 | Influence of Network Topology on the Viscoelastic Properties of Dynamically Crosslinked Hydrogels. Frontiers in Chemistry, 2020, 8, 536. | 1.8 | 11 |
| 13 | Through-Space Polar Interactions in 2,6-Diarylthiophenols. ChemPhysChem, 2020, 21, 1092-1100. | 1.0 | 9 |
| 14 | Synthetic Semiflexible and Bioactive Brushes. Biomacromolecules, 2019, 20, 2587-2597. | 2.6 | 10 |
| 15 | Biomaterial-Based Activation and Expansion of Tumor-Specific T Cells. Frontiers in Immunology, 2019, 10, 931. | 2.2 | 15 |
| 16 | Probing Through-Space Polar Interactions in 2,6-Diarylphenols. Journal of Organic Chemistry, 2019, 84, 3632-3637. | 1.7 | 11 |
| 17 | Controlling the gelation temperature of biomimetic polyisocyanides. Chinese Chemical Letters, 2018, 29, 281-284. | 4.8 | 19 |
| 18 | Injectable Biomimetic Hydrogels as Tools for Efficient T Cell Expansion and Delivery. Frontiers in Immunology, 2018, 9, 2798. | 2.2 | 60 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Cytokineâ€Functionalized Synthetic Dendritic Cells for TâCell Targeted Immunotherapies. <i>Advanced Therapeutics</i> , 2018, 1, 1800021. | 1.6 | 25 |
| 20 | Controlling T-Cell Activation with Synthetic Dendritic Cells Using the Multivalency Effect. <i>ACS Omega</i> , 2017, 2, 937-945. | 1.6 | 48 |
| 21 | Affinity-Based Purification of Polyisocyanopeptide Bioconjugates. <i>Bioconjugate Chemistry</i> , 2017, 28, 2560-2568. | 1.8 | 11 |
| 22 | Biomimetic Stress Sensitive Hydrogel Controlled by DNA Nanoswitches. <i>Biomacromolecules</i> , 2017, 18, 3310-3317. | 2.6 | 31 |
| 23 | Strategies To Increase the Thermal Stability of Truly Biomimetic Hydrogels: Combining Hydrophobicity and Directed Hydrogen Bonding. <i>Macromolecules</i> , 2017, 50, 9058-9065. | 2.2 | 36 |
| 24 | DNAâ€Responsive Polyisocyanopeptide Hydrogels with Stressâ€Stiffening Capacity. <i>Advanced Functional Materials</i> , 2016, 26, 9075-9082. | 7.8 | 42 |
| 25 | Order at Extreme Dilution. <i>Advanced Functional Materials</i> , 2016, 26, 9009-9016. | 7.8 | 3 |
| 26 | Stress-stiffening-mediated stem-cell commitment switch in soft responsive hydrogels. <i>Nature Materials</i> , 2016, 15, 318-325. | 13.3 | 319 |
| 27 | Abstract IA29: Towards synthetic immune cells for cancer immunotherapy. , 2016, , . | | 0 |
| 28 | Polymer-Based Synthetic Dendritic Cells for Tailoring Robust and Multifunctional T Cell Responses. <i>ACS Chemical Biology</i> , 2015, 10, 485-492. | 1.6 | 43 |
| 29 | Therapeutic nanoworms: towards novel synthetic dendritic cells for immunotherapy. <i>Chemical Science</i> , 2013, 4, 4168. | 3.7 | 91 |