

# Mohammad Vatankhah-Varnosfaderani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1262479/publications.pdf>

Version: 2024-02-01

14  
papers

1,022  
citations

759233

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1058476

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docs citations

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1372  
citing authors

#	ARTICLE	IF	CITATIONS
1	Injectable bottlebrush hydrogels with tissue-mimetic mechanical properties. <i>Science Advances</i> , 2022, 8, eabm2469.	10.3	53
2	Mechanically Diverse Gels with Equal Solvent Content. <i>ACS Central Science</i> , 2022, 8, 845-852.	11.3	10
3	Injectable non-leaching tissue-mimetic bottlebrush elastomers as an advanced platform for reconstructive surgery. <i>Nature Communications</i> , 2021, 12, 3961.	12.8	32
4	Understanding the Synthesis of Linear“Bottlebrush”Linear Block Copolymers: Toward Elastomers with Well-Defined Mechanical Properties. <i>Macromolecules</i> , 2020, 53, 8324-8332.	4.8	19
5	Tissue-Mimetic Dielectric Actuators: Free-Standing, Stable, and Solvent-Free. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1741-1745.	4.4	19
6	Bottlebrush Bridge between Soft Gels and Firm Tissues. <i>ACS Central Science</i> , 2020, 6, 413-419.	11.3	56
7	Strained Bottlebrushes in Super-Soft Physical Networks. <i>ACS Macro Letters</i> , 2019, 8, 530-534.	4.8	32
8	Chameleon-like elastomers with molecularly encoded strain-adaptive stiffening and coloration. <i>Science</i> , 2018, 359, 1509-1513.	12.6	345
9	Computationally Driven Design of Soft Materials with Tissue-like Mechanical Properties. <i>ACS Symposium Series</i> , 2018, , 33-50.	0.5	1
10	Universal Coatings Based on Zwitterionic“Dopamine Copolymer Microgels. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 20869-20875.	8.0	49
11	Encoding tissue mechanics in silicone. <i>Science Robotics</i> , 2018, 3, .	17.6	12
12	Mimicking biological stress“strain behaviour with synthetic elastomers. <i>Nature</i> , 2017, 549, 497-501.	27.8	286
13	Dynamics of Bottlebrush Networks. <i>Macromolecules</i> , 2016, 49, 8009-8017.	4.8	36
14	Programming temporal shapeshifting. <i>Nature Communications</i> , 2016, 7, 12919.	12.8	72