

# Michael Fadeev

## List of Publications by Year in descending order

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25  
papers

1,548  
citations

394421

19  
h-index

580821

25  
g-index

25  
all docs

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docs citations

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times ranked

1985  
citing authors

#	ARTICLE	IF	CITATIONS
1	miRNA-Guided Imaging and Photodynamic Therapy Treatment of Cancer Cells Using Zn(II)-Protoporphyrin IX-Loaded Metal-Organic Framework Nanoparticles. ACS Nano, 2022, 16, 1791-1801.	14.6	38
2	Controlling electrocatalytic, photoelectrocatalytic, and load release processes using soft material-modified electrodes. Journal of Electroanalytical Chemistry, 2022, 904, 115926.	3.8	2
3	Aptamer-Modified Cu <sup>2+</sup> -Functionalized C-Dots: Versatile Means to Improve Nanozyme Activities—Aptananozymes. Journal of the American Chemical Society, 2021, 143, 11510-11519.	13.7	66
4	Thermoplasmonic-Triggered Release of Loads from DNA-Modified Hydrogel Microcapsules Functionalized with Au Nanoparticles or Au Nanorods. Small, 2020, 16, e2000880.	10.0	32
5	Triggered Release of Loads from Microcapsule-in-Microcapsule Hydrogel Microcarriers: En-Route to an “Artificial Pancreas”. Journal of the American Chemical Society, 2020, 142, 4223-4234.	13.7	53
6	Artificial Photosynthesis with Electron Acceptor/Photosensitizer-Aptamer Conjugates. Nano Letters, 2019, 19, 6621-6628.	9.1	12
7	Molecularly Imprinted Sites Translate into Macroscopic Shape-Memory Properties of Hydrogels. ACS Applied Materials & Interfaces, 2019, 11, 34282-34291.	8.0	14
8	Light-responsive arylazopyrazole-based hydrogels: their applications as shape-memory materials, self-healing matrices and controlled drug release systems. Polymer Chemistry, 2019, 10, 4106-4115.	3.9	51
9	Redox-Switchable Binding Properties of the ATP-Aptamer. Journal of the American Chemical Society, 2019, 141, 15567-15576.	13.7	47
10	Chemical and photochemical DNA “gears” reversibly control stiffness, shape-memory, self-healing and controlled release properties of polyacrylamide hydrogels. Chemical Science, 2019, 10, 1008-1016.	7.4	96
11	Metal Ion-Terpyridine-Functionalized L-Tyrosinamide Aptamers: Nucleoapzymes for Oxygen Insertion into C-H Bonds and the Transformation of L-Tyrosinamide into Amidodopachrome. Advanced Functional Materials, 2019, 29, 1901484.	14.9	12
12	DNA-Based Hydrogels Loaded with Au Nanoparticles or Au Nanorods: Thermoresponsive Plasmonic Matrices for Shape-Memory, Self-Healing, Controlled Release, and Mechanical Applications. ACS Nano, 2019, 13, 3424-3433.	14.6	111
13	Redox-triggered hydrogels revealing switchable stiffness properties and shape-memory functions. Polymer Chemistry, 2018, 9, 2905-2912.	3.9	44
14	Drug Carriers: Stimuli-Responsive Nucleic Acid-Based Polyacrylamide Hydrogel-Coated Metal-Organic Framework Nanoparticles for Controlled Drug Release (Adv. Funct. Mater. 8/2018). Advanced Functional Materials, 2018, 28, 1870053.	14.9	10
15	Targeted VEGF-triggered release of an anti-cancer drug from aptamer-functionalized metal-organic framework nanoparticles. Nanoscale, 2018, 10, 4650-4657.	5.6	70
16	Stimuli-Responsive Nucleic Acid-Based Polyacrylamide Hydrogel-Coated Metal-Organic Framework Nanoparticles for Controlled Drug Release. Advanced Functional Materials, 2018, 28, 1705137.	14.9	201
17	Multi-triggered Supramolecular DNA/Bipyridinium Dithienylethene Hydrogels Driven by Light, Redox, and Chemical Stimuli for Shape-Memory and Self-Healing Applications. Journal of the American Chemical Society, 2018, 140, 17691-17701.	13.7	148
18	Shape-memory and self-healing functions of DNA-based carboxymethyl cellulose hydrogels driven by chemical or light triggers. Chemical Science, 2018, 9, 7145-7152.	7.4	99

#	ARTICLE	IF	CITATIONS
19	Stimuli-Responsive Donor-Acceptor and DNA-Crosslinked Hydrogels: Application as Shape-Memory and Self-Healing Materials. <i>Advanced Functional Materials</i> , 2018, 28, 1803111.	14.9	67
20	Catalyzed and Electrocatalyzed Oxidation of L-Tyrosine and L-Phenylalanine to Dopachrome by Nanozymes. <i>Nano Letters</i> , 2018, 18, 4015-4022.	9.1	31
21	Reversible Modulation of DNA-Based Hydrogel Shapes by Internal Stress Interactions. <i>Journal of the American Chemical Society</i> , 2016, 138, 16112-16119.	13.7	105
22	Metal Nanoparticle-Loaded Mesoporous Carbon Nanoparticles: Electrical Contacting of Redox Proteins and Electrochemical Sensing Applications. <i>Electroanalysis</i> , 2015, 27, 2150-2157.	2.9	13
23	Electrically Contacted Bionzyme-Functionalized Mesoporous Carbon Nanoparticle Electrodes: Applications for the Development of Dual Amperometric Biosensors and Multifuel-Driven Biofuel Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1401853.	19.5	39
24	Switchable Bifunctional Stimuli-Triggered Poly(N-isopropylacrylamide)/DNA Hydrogels. <i>Angewandte Chemie</i> , 2014, 126, 10298-10302.	2.0	24
25	Switchable Bifunctional Stimuli-Triggered Poly(N-isopropylacrylamide)/DNA Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10134-10138.	13.8	163