

# Remi Dreyfus

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4549151/publications.pdf>

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22  
papers

3,055  
citations

516710

16  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

3399  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microscopic artificial swimmers. <i>Nature</i> , 2005, 437, 862-865.	27.8	1,595
2	Ordered and Disordered Patterns in Two-Phase Flows in Microchannels. <i>Physical Review Letters</i> , 2003, 90, 144505.	7.8	317
3	Switchable self-protected attractions in DNA-functionalized colloids. <i>Nature Materials</i> , 2009, 8, 590-595.	27.5	134
4	Flow visualization and flow cytometry with holographic video microscopy. <i>Optics Express</i> , 2009, 17, 13071.	3.4	134
5	On the dynamics of magnetically driven elastic filaments. <i>Journal of Fluid Mechanics</i> , 2006, 554, 167.	3.4	128
6	DNA Patchy Particles. <i>Advanced Materials</i> , 2013, 25, 2779-2783.	21.0	126
7	Simple Quantitative Model for the Reversible Association of DNA Coated Colloids. <i>Physical Review Letters</i> , 2009, 102, 048301.	7.8	124
8	Self-replication of information-bearing nanoscale patterns. <i>Nature</i> , 2011, 478, 225-228.	27.8	105
9	Towards self-replicating materials of DNA-functionalized colloids. <i>Soft Matter</i> , 2009, 5, 2422.	2.7	86
10	Aggregation-disaggregation transition of DNA-coated colloids: Experiments and theory. <i>Physical Review E</i> , 2010, 81, 041404.	2.1	84
11	Quantitative Study of the Association Thermodynamics and Kinetics of DNA-Coated Particles for Different Functionalization Schemes. <i>Journal of the American Chemical Society</i> , 2010, 132, 1903-1913.	13.7	50
12	Magnetic Force Probe for Nanoscale Biomolecules. <i>Physical Review Letters</i> , 2005, 95, 128301.	7.8	44
13	Polygamous particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18731-18736.	7.1	34
14	Excellent electric properties of free-standing InAs membranes. <i>Applied Physics Letters</i> , 2001, 78, 2372-2374.	3.3	27
15	Plasmonic-Based Mechanochromic Microcapsules as Strain Sensors. <i>Small</i> , 2017, 13, 1701925.	10.0	25
16	Highly conductive and transparent coatings from flow-aligned silver nanowires with large electrical and optical anisotropy. <i>Nanoscale</i> , 2020, 12, 6438-6448.	5.6	17
17	Fabrication and elastic properties of InAs freestanding structures based on InAs/GaAs(111)A heteroepitaxial systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 13, 1163-1167.	2.7	7
18	Plasmonic Elastic Capsules as Colorimetric Reversible pH-Microsensors. <i>Small</i> , 2020, 16, 1903897.	10.0	7

#	ARTICLE	IF	CITATIONS
19	Effect of geometry on the dewetting of granular chains by evaporation. <i>Soft Matter</i> , 2018, 14, 6994-7002.	2.7	5
20	Application of InAs Freestanding Membranes to Electromechanical Systems. <i>Japanese Journal of Applied Physics</i> , 2002, 41, 2519-2521.	1.5	4
21	An attractive, reshapable material. <i>Science</i> , 2019, 365, 219-219.	12.6	2
22	Å%coulements diphasiques (eau-huile) : structures et mouillage. <i>Houille Blanche</i> , 2003, 89, 92-96.	0.3	0