# Remi Dreyfus

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 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 | Highly conductive and transparent coatings from flow-aligned silver nanowires with large electrical and optical anisotropy. Nanoscale, 2020, 12, 6438-6448. | 5.6 | 17 |
| 2 | Plasmonic Elastic Capsules as Colorimetric Reversible pHâ€Microsensors. Small, 2020, 16, 1903897. | 10.0 | 7 |
| 3 | An attractive, reshapable material. Science, 2019, 365, 219-219. | 12.6 | 2 |
| 4 | Effect of geometry on the dewetting of granular chains by evaporation. Soft Matter, 2018, 14, 6994-7002. | 2.7 | 5 |
| 5 | Plasmonicâ€Based Mechanochromic Microcapsules as Strain Sensors. Small, 2017, 13, 1701925. | 10.0 | 25 |
| 6 | DNA Patchy Particles. Advanced Materials, 2013, 25, 2779-2783. | 21.0 | 126 |
| 7 | Polygamous particles. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18731-18736. | 7.1 | 34 |
| 8 | Self-replication of information-bearing nanoscale patterns. Nature, 2011, 478, 225-228. | 27.8 | 105 |
| 9 | Aggregation-disaggregation transition of DNA-coated colloids: Experiments and theory. Physical Review E, 2010, 81, 041404. | 2.1 | 84 |
| 10 | Quantitative Study of the Association Thermodynamics and Kinetics of DNA-Coated Particles for Different Functionalization Schemes. Journal of the American Chemical Society, 2010, 132, 1903-1913. | 13.7 | 50 |
| 11 | Simple Quantitative Model for the Reversible Association of DNA Coated Colloids. Physical Review Letters, 2009, 102, 048301. | 7.8 | 124 |
| 12 | Switchable self-protected attractions in DNA-functionalized colloids. Nature Materials, 2009, 8, 590-595. | 27.5 | 134 |
| 13 | Flow visualization and flow cytometry with holographic video microscopy. Optics Express, 2009, 17, 13071. | 3.4 | 134 |
| 14 | Towards self-replicating materials of DNA-functionalized colloids. Soft Matter, 2009, 5, 2422. | 2.7 | 86 |
| 15 | On the dynamics of magnetically driven elastic filaments. Journal of Fluid Mechanics, 2006, 554, 167. | 3.4 | 128 |
| 16 | Microscopic artificial swimmers. Nature, 2005, 437, 862-865. | 27.8 | 1,595 |
| 17 | Magnetic Force Probe for Nanoscale Biomolecules. Physical Review Letters, 2005, 95, 128301. | 7.8 | 44 |
| 18 | Ordered and Disordered Patterns in Two-Phase Flows in Microchannels. Physical Review Letters, 2003, 90, 144505. | 7.8 | 317 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Ã‰coulements diphasiques (eau-huile) : structures et mouillage. Houille Blanche, 2003, 89, 92-96. | 0.3 | 0 |
| 20 | Application of InAs Freestanding Membranes to Electromechanical Systems. Japanese Journal of Applied Physics, 2002, 41, 2519-2521. | 1.5 | 4 |
| 21 | Fabrication and elastic properties of InAs freestanding structures based on InAs/GaAs(111)A heteroepitaxial systems. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 1163-1167. | 2.7 | 7 |
| 22 | Excellent electric properties of free-standing InAs membranes. Applied Physics Letters, 2001, 78, 2372-2374. | 3.3 | 27 |