

Arthur M De Jong

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

484
citations

759055

12
h-index

713332

21
g-index

21
all docs

21
docs citations

21
times ranked

793
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-Time Monitoring of Biomolecules: Dynamic Response Limits of Affinity-Based Sensors. ACS Sensors, 2022, 7, 286-295.	4.0	12
2	How Reactivity Variability of Biofunctionalized Particles Is Determined by Superpositional Heterogeneities. ACS Nano, 2021, 15, 1331-1341.	7.3	13
3	Self-Assembly of Elastin-like Polypeptide Brushes on Silica Surfaces and Nanoparticles. Biomacromolecules, 2021, 22, 1966-1979.	2.6	7
4	Click-Coupling to Electrostatically Grafted Polymers Greatly Improves the Stability of a Continuous Monitoring Sensor with Single-Molecule Resolution. ACS Sensors, 2021, 6, 1980-1986.	4.0	12
5	Sensing Methodology for the Rapid Monitoring of Biomolecules at Low Concentrations over Long Time Spans. ACS Sensors, 2021, 6, 4471-4481.	4.0	17
6	Multiplexed Continuous Biosensing by Single-Molecule Encoded Nanoswitches. Nano Letters, 2020, 20, 2296-2302.	4.5	20
7	Super-resolution microscopy on single particles at fluid interfaces reveals their wetting properties and interfacial deformations. Nanoscale, 2019, 11, 6654-6661.	2.8	13
8	How Actuated Particles Effectively Capture Biomolecular Targets. Analytical Chemistry, 2017, 89, 3402-3410.	3.2	6
9	Interparticle Capillary Forces at a Fluid-Fluid Interface with Strong Polymer-Induced Aging. Langmuir, 2017, 33, 696-705.	1.6	12
10	Interfacial rheometry of polymer at a water-oil interface by intra-pair magnetophoresis. Soft Matter, 2016, 12, 5551-5562.	1.2	7
11	Insertion Process of Ceramic Nanoporous Microneedles by Means of a Novel Mechanical Applicator Design. Pharmaceutics, 2015, 7, 503-522.	2.0	20
12	Dynamic wetting: status and prospective of single particle based experiments and simulations. New Biotechnology, 2015, 32, 420-432.	2.4	19
13	Transportation, dispersion and ordering of dense colloidal assemblies by magnetic interfacial rotaphoresis. Lab on A Chip, 2015, 15, 2864-2871.	3.1	15
14	Molecular interference in antibody-antigen interaction studied with magnetic force immunoassay. New Biotechnology, 2015, 32, 450-457.	2.4	1
15	Chaotic fluid mixing by alternating microparticle topologies to enhance biochemical reactions. Microfluidics and Nanofluidics, 2014, 16, 265-274.	1.0	36
16	Dynamics of magnetic particles near a surface: Model and experiments on field-induced disaggregation. Physical Review E, 2014, 89, 042306.	0.8	8
17	Integrated lab-on-chip biosensing systems based on magnetic particle actuation - a comprehensive review. Lab on A Chip, 2014, 14, 1966-1986.	3.1	219
18	Accurate quantification of magnetic particle properties by intra-pair magnetophoresis for nanobiotechnology. Applied Physics Letters, 2013, 103, 043704.	1.5	11

#	ARTICLE	IF	CITATIONS
19	Accelerated Particle-Based Target Capture—The Roles of Volume Transport and Near-Surface Alignment. <i>Journal of Physical Chemistry B</i> , 2013, 117, 1210-1218.	1.2	13
20	Quantification of Protein—Ligand Dissociation Kinetics in Heterogeneous Affinity Assays. <i>Analytical Chemistry</i> , 2012, 84, 9287-9294.	3.2	21
21	Mesoscopic Concentration Variations Analyzed by Secondary Ion Mass Spectrometry. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 434, 171/[499]-182/[510].	0.4	2