

Sibani Biswal

List of Publications by Year in descending order

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138
papers

4,952
citations

87401

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138
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138
docs citations

138
times ranked

4862
citing authors

#	ARTICLE	IF	CITATIONS
1	Periodic deformation of semiflexible colloidal chains in eccentric time-varying magnetic fields. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 184005.	0.7	5
2	Physicochemical Characterization of Asphaltenes Using Microfluidic Analysis. <i>Chemical Reviews</i> , 2022, 122, 7205-7235.	23.0	16
3	Extension of Kelvin's equation to dipolar colloids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2117971119.	3.3	4
4	Settling dynamics of Brownian chains in viscous fluids. <i>Physical Review Fluids</i> , 2022, 7, .	1.0	3
5	Measuring in-situ capillary pressure of a flowing foam system in porous media. <i>Journal of Colloid and Interface Science</i> , 2022, 621, 321-330.	5.0	5
6	Grain boundary dynamics driven by magnetically induced circulation at the void interface of 2D colloidal crystals. <i>Science Advances</i> , 2022, 8, .	4.7	7
7	Hierarchical assemblies of superparamagnetic colloids in time-varying magnetic fields. <i>Soft Matter</i> , 2021, 17, 1120-1155.	1.2	44
8	Distinguishing the Effect of Rock Wettability from Residual Oil on Foam Generation and Propagation in Porous Media. <i>Energy & Fuels</i> , 2021, 35, 7681-7692.	2.5	9
9	Evaluation of Asphaltene Remediation Using Microemulsion Formulations in a Porous Media Microfluidic Device. <i>Energy & Fuels</i> , 2021, 35, 11162-11170.	2.5	4
10	Advances and challenges in CO ₂ foam technologies for enhanced oil recovery in carbonate reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2021, 202, 108447.	2.1	17
11	Combining ReaxFF Simulations and Experiments to Evaluate the Structure-Property Characteristics of Polymeric Binders in Si-Based Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41956-41967.	4.0	6
12	Extreme Rate Capability Cycling of Porous Silicon Composite Anodes for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2021, 8, 3318-3325.	1.7	2
13	Investigating the Compatibility of TTMSP and FEC Electrolyte Additives for LiNi _{0.5} Mn _{0.3} Co _{0.2} O ₂ (NMC)-Silicon Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2662-2673.	4.0	45
14	Exploring Low-IFT Foam EOR in Fractured Carbonates: Success and Particular Challenges of Sub-10-md Limestone. <i>SPE Journal</i> , 2020, 25, 867-882.	1.7	11
15	ALD-Modified LiNi _{0.33} Mn _{0.33} Co _{0.33} O ₂ Paired with Macroporous Silicon for Lithium-Ion Batteries: An Investigation on Lithium Trapping, Resistance Rise, and Cycle-Life Performance. <i>ACS Applied Energy Materials</i> , 2020, 3, 456-468.	2.5	12
16	Effect of salinity, Mg ²⁺ and SO ₄ ²⁻ on smart water-induced carbonate wettability alteration in a model oil system. <i>Journal of Colloid and Interface Science</i> , 2020, 563, 145-155.	5.0	56
17	Effect of brine type and ionic strength on the wettability alteration of naphthenic-acid-adsorbed calcite surfaces. <i>Journal of Petroleum Science and Engineering</i> , 2020, 185, 106567.	2.1	24
18	Characterizing the spatiotemporal evolution of paramagnetic colloids in time-varying magnetic fields with Minkowski functionals. <i>Soft Matter</i> , 2020, 16, 8799-8805.	1.2	11

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19	A systematic approach to alkaline-surfactant-foam flooding of heavy oil: microfluidic assessment with a novel phase-behavior viscosity map. <i>Scientific Reports</i> , 2020, 10, 12930.	1.6	27
20	Role of Wettability on the Adsorption of an Anionic Surfactant on Sandstone Cores. <i>Langmuir</i> , 2020, 36, 10725-10738.	1.6	39
21	CO ₂ Foam Field Pilot Design and Initial Results. , 2020, , .		10
22	Evaluation of a Nonionic Surfactant Foam for CO ₂ Mobility Control in a Heterogeneous Carbonate Reservoir. <i>SPE Journal</i> , 2020, 25, 3481-3493.	1.7	18
23	Crude Oil Recovery with Duomeen CTM-Stabilized Supercritical CO ₂ Foams for HPHT and Ultrahigh-Salinity Carbonate Reservoirs. <i>Energy & Fuels</i> , 2020, 34, 15727-15735.	2.5	21
24	Probing Methane Foam Transport in Heterogeneous Porous Media: An Experimental and Numerical Case Study of Permeability-Dependent Rheology and Fluid Diversion at Field Scale. <i>SPE Journal</i> , 2020, 25, 1697-1710.	1.7	20
25	Isolation and mutational assessment of pancreatic cancer extracellular vesicles using a microfluidic platform. <i>Biomedical Microdevices</i> , 2020, 22, 23.	1.4	28
26	Comparing the Coalescence Rate of Water-in-Oil Emulsions Stabilized with Asphaltenes and Asphaltene-like Molecules. <i>Langmuir</i> , 2020, 36, 7894-7900.	1.6	17
27	Evaluating physicochemical properties of crude oil as indicators of low-salinity-induced wettability alteration in carbonate minerals. <i>Scientific Reports</i> , 2020, 10, 3762.	1.6	18
28	Evaluating the capacity ratio and prelithiation strategies for extending cyclability in porous silicon composite anodes and lithium iron phosphate cathodes for high capacity lithium-ion batteries. <i>Journal of Energy Storage</i> , 2020, 28, 101268.	3.9	31
29	Dislocation mechanisms in the plastic deformation of monodisperse wet foams within an expansion-contraction microfluidic geometry. <i>Soft Matter</i> , 2019, 15, 6207-6223.	1.2	6
30	Static adsorption of a switchable diamine surfactant on natural and synthetic minerals for high-salinity carbonate reservoirs. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 583, 123910.	2.3	12
31	Evaluating the Transport Behavior of CO ₂ Foam in the Presence of Crude Oil under High-Temperature and High-Salinity Conditions for Carbonate Reservoirs. <i>Energy & Fuels</i> , 2019, 33, 6038-6047.	2.5	47
32	Microfluidic Study of the Deposition Dynamics of Asphaltene Subfractions Enriched with Island and Archipelago Motifs. <i>Energy & Fuels</i> , 2019, 33, 1882-1891.	2.5	22
33	In-Depth Understanding of the Ultra-Low-Interfacial-Tension Foam Flood in Oil-wet Fractured Media through Simulation with an Integrative Mechanistic Foam Model. , 2019, , .		4
34	Ultralow-Interfacial-Tension Foam-Injection Strategy in High-Temperature Ultrahigh-Salinity Fractured Oil-Wet Carbonate Reservoirs. <i>SPE Journal</i> , 2019, 24, 2822-2840.	1.7	15
35	A 2-D simulation study on CO ₂ soluble surfactant for foam enhanced oil recovery. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 72, 133-143.	2.9	18
36	Characterizing the Influence of Organic Carboxylic Acids and Inorganic Silica Impurities on the Surface Charge of Natural Carbonates Using an Extended Surface Complexation Model. <i>Energy & Fuels</i> , 2019, 33, 957-967.	2.5	32

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37	Two-Step Adsorption of a Switchable Tertiary Amine Surfactant Measured Using a Quartz Crystal Microbalance with Dissipation. <i>Langmuir</i> , 2019, 35, 695-701.	1.6	14
38	Carbon dioxide/water foams stabilized with a zwitterionic surfactant at temperatures up to 150°C in high salinity brine. <i>Journal of Petroleum Science and Engineering</i> , 2018, 166, 880-890.	2.1	86
39	Ultralow-Interfacial-Tension Foam Injection Strategy Investigation in High Temperature Ultra-High Salinity Fractured Carbonate Reservoirs. , 2018, , .		14
40	Microfluidic Devices for Characterizing Pore-scale Event Processes in Porous Media for Oil Recovery Applications. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	9
41	Oil effect on CO ₂ foam stabilized by a switchable amine surfactant at high temperature and high salinity. <i>Fuel</i> , 2018, 227, 247-255.	3.4	37
42	Viscoelastic diamine surfactant for stable carbon dioxide/water foams over a wide range in salinity and temperature. <i>Journal of Colloid and Interface Science</i> , 2018, 522, 151-162.	5.0	59
43	Reconfigurable paramagnetic microswimmers: Brownian motion affects non-reciprocal actuation. <i>Soft Matter</i> , 2018, 14, 3463-3470.	1.2	27
44	Microfluidic Investigation of Asphaltenes-Stabilized Water-in-Oil Emulsions. <i>Energy & Fuels</i> , 2018, 32, 4903-4910.	2.5	43
45	The Dependence of Methane Foam Transport on Rock Permeabilities and Foam Simulation on Fluid Diversion in Heterogeneous Model Reservoir. , 2018, , .		5
46	A unidirectional one-dimensional approach for asphaltene deposition in large length-to-diameter ratios scenarios. <i>Journal of Petroleum Science and Engineering</i> , 2018, 166, 857-870.	2.1	10
47	Destabilization, Propagation, and Generation of Surfactant-Stabilized Foam during Crude Oil Displacement in Heterogeneous Model Porous Media. <i>Langmuir</i> , 2018, 34, 739-749.	1.6	63
48	Experimental study of asphaltene deposition in transparent microchannels using the light absorption method. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 744-753.	1.3	19
49	Combined interfacial shear rheology and microstructure visualization of asphaltenes at air-water and oil-water interfaces. <i>Journal of Rheology</i> , 2018, 62, 1-10.	1.3	43
50	Characterizing adsorption of associating surfactants on carbonates surfaces. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 684-692.	5.0	47
51	Bubble "bubble pinch-off in symmetric and asymmetric microfluidic expansion channels for ordered foam generation. <i>Soft Matter</i> , 2018, 14, 9312-9325.	1.2	20
52	Design of CO ₂ -in-Water Foam Stabilized with Switchable Amine Surfactants at High Temperature in High-Salinity Brine and Effect of Oil. <i>Energy & Fuels</i> , 2018, 32, 12259-12267.	2.5	41
53	CO ₂ /Water Foams Stabilized with Cationic or Zwitterionic Surfactants at Temperatures up to 120 °C in High Salinity Brine. , 2018, , .		17
54	Probing the Effect of Oil Type and Saturation on Foam Flow in Porous Media: Core-Flooding and Nuclear Magnetic Resonance (NMR) Imaging. <i>Energy & Fuels</i> , 2018, 32, 11177-11189.	2.5	41

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55	Exploring Low-IFT Foam EOR in Fractured Carbonates: Success and Particular Challenges of Sub-10-mD Limestone. , 2018, , .		7
56	Low-IFT Foaming System for Enhanced Oil Recovery in Highly Heterogeneous/Fractured Oil-Wet Carbonate Reservoirs. SPE Journal, 2018, 23, 2243-2259.	1.7	35
57	An integrated model for asphaltene deposition in wellbores/pipelines above bubble pressures. Journal of Petroleum Science and Engineering, 2018, 169, 353-373.	2.1	27
58	Nonlinear multimode buckling dynamics examined with semiflexible paramagnetic filaments. Physical Review E, 2018, 98, 012602.	0.8	12
59	Recyclable amine-functionalized magnetic nanoparticles for efficient demulsification of crude oil-in-water emulsions. Environmental Science: Water Research and Technology, 2018, 4, 1553-1563.	1.2	26
60	Interfacial energetics of two-dimensional colloidal clusters generated with a tunable anharmonic interaction potential. Physical Review Materials, 2018, 2, .	0.9	21
61	Asphaltene Deposition and Fouling in Reservoirs. , 2017, , .		11
62	Low-Interfacial-Tension Foaming System for Enhanced Oil Recovery in Highly Heterogeneous/Fractured Carbonate Reservoirs. , 2017, , .		19
63	Two-dimensional melting of colloids with long-range attractive interactions. Soft Matter, 2017, 13, 1548-1553.	1.2	28
64	Characterizing Asphaltene Deposition in the Presence of Chemical Dispersants in Porous Media Micromodels. Energy & Fuels, 2017, 31, 11660-11668.	2.5	66
65	Surface complexation modeling of calcite zeta potential measurements in brines with mixed potential determining ions (Ca ²⁺ , CO ₃ ²⁻ , Mg ²⁺ , SO ₄ ²⁻) for characterizing carbonate wettability. Journal of Colloid and Interface Science, 2017, 506, 169-179.	5.0	118
66	A Study of Methane Foam in Reservoir Rocks for Mobility Control at High Temperature with Varied Permeabilities: Experiment and Simulation. , 2017, , .		9
67	From strings to coils: Rotational dynamics of DNA-linked colloidal chains. Physical Review Fluids, 2017, 2, .	1.0	17
68	Three dimensional measurements of asphaltene deposition in a transparent micro-channel. Journal of Petroleum Science and Engineering, 2016, 145, 77-82.	2.1	34
69	Dynamics of paramagnetic squares in uniform magnetic fields. Journal of Magnetism and Magnetic Materials, 2016, 417, 100-105.	1.0	2
70	Static Adsorption of an Ethoxylated Nonionic Surfactant on Carbonate Minerals. Langmuir, 2016, 32, 10244-10252.	1.6	89
71	Examining Asphaltene Solubility on Deposition in Model Porous Media. Langmuir, 2016, 32, 8729-8734.	1.6	66
72	Insights on Foam Transport from a Texture-Implicit Local-Equilibrium Model with an Improved Parameter Estimation Algorithm. Industrial & Engineering Chemistry Research, 2016, 55, 7819-7829.	1.8	65

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73	Modified Mason number for charged paramagnetic colloidal suspensions. <i>Physical Review E</i> , 2016, 93, 062603.	0.8	10
74	Effect of Surfactant Partitioning Between Gaseous Phase and Aqueous Phase on CO_2 Foam Transport for Enhanced Oil Recovery. <i>Transport in Porous Media</i> , 2016, 114, 777-793.	1.2	40
75	Mobility of Ethomeen C12 and Carbon Dioxide (CO_2) Foam at High Temperature/High Salinity and in Carbonate Cores. <i>SPE Journal</i> , 2016, 21, 1151-1163.	1.7	78
76	High Temperature CO_2 -in-Water Foams Stabilized with Cationic Quaternary Ammonium Surfactants. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 2761-2770.	1.0	33
77	Role of Gas Type on Foam Transport in Porous Media. <i>Langmuir</i> , 2016, 32, 6239-6245.	1.6	79
78	Phase behavior and interfacial properties of a switchable ethoxylated amine surfactant at high temperature and effects on CO_2 -in-water foams. <i>Journal of Colloid and Interface Science</i> , 2016, 470, 80-91.	5.0	56
79	EXPERIMENTAL INVESTIGATION OF ASPHALTENE DEPOSITION IN A TRANSPARENT MICROCHANNEL. , 2016, , .		2
80	Adsorption of a Switchable Cationic Surfactant on Natural Carbonate Minerals. <i>SPE Journal</i> , 2015, 20, 70-78.	1.7	41
81	CO_2 -in-Water Foam at Elevated Temperature and Salinity Stabilized with a Nonionic Surfactant with a High Degree of Ethoxylation. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 4252-4263.	1.8	67
82	Handcrafted multilayer PDMS microchannel scaffolds for peripheral nerve regeneration. <i>Biomedical Microdevices</i> , 2015, 17, 109.	1.4	9
83	Switchable Nonionic to Cationic Ethoxylated Amine Surfactants for CO_2 Enhanced Oil Recovery in High-Temperature, High-Salinity Carbonate Reservoirs. <i>SPE Journal</i> , 2014, 19, 249-259.	1.7	103
84	Switchable Diamine Surfactants for CO_2 Mobility Control in Enhanced Oil Recovery and Sequestration. <i>Energy Procedia</i> , 2014, 63, 7709-7716.	1.8	26
85	Micro-mutual-dipolar model for rapid calculation of forces between paramagnetic colloids. <i>Physical Review E</i> , 2014, 90, 033310.	0.8	15
86	Adsorption of a Switchable Cationic Surfactant on Natural Carbonate Minerals. , 2014, , .		3
87	Non-uniqueness, Numerical Artifacts, and Parameter Sensitivity in Simulating Steady-State and Transient Foam Flow Through Porous Media. <i>Transport in Porous Media</i> , 2014, 102, 325-348.	1.2	60
88	Numerical calculation of interaction forces between paramagnetic colloids in two-dimensional systems. <i>Physical Review E</i> , 2014, 89, 043306.	0.8	26
89	Lipid Bilayer Phase Transformations Detected Using Microcantilevers. <i>Journal of Physical Chemistry B</i> , 2014, 118, 171-178.	1.2	5
90	Salt- and temperature-stable quantum dot nanoparticles for porous media flow. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 443, 492-500.	2.3	23

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91	Improved Methylene Blue Two-Phase Titration Method for Determining Cationic Surfactant Concentration in High-Salinity Brine. <i>Analytical Chemistry</i> , 2014, 86, 11055-11061.	3.2	29
92	Probing the association of triblock copolymers with supported lipid membranes using microcantilevers. <i>Soft Matter</i> , 2014, 10, 6417-6424.	1.2	20
93	Visualizing oil displacement with foam in a microfluidic device with permeability contrast. <i>Lab on A Chip</i> , 2014, 14, 3968-3977.	3.1	213
94	Directing Assembly of DNA-Coated Colloids with Magnetic Fields To Generate Rigid, Semiflexible, and Flexible Chains. <i>Langmuir</i> , 2014, 30, 9045-9052.	1.6	66
95	Evaporative Assembly of MEH-PPV Rings Using Mixed Solvents at the Air/Water Interface. <i>Langmuir</i> , 2014, 30, 4236-4242.	1.6	9
96	Rapid Detection of Pathogenic Bacteria and Screening of Phage-Derived Peptides Using Microcantilevers. <i>Analytical Chemistry</i> , 2014, 86, 1671-1678.	3.2	56
97	Switchable Amine Surfactants for Stable CO ₂ /Brine Foams in High Temperature, High Salinity Reservoirs. , 2014, , .		22
98	Characterizing α -Helical Peptide Aggregation on Supported Lipid Membranes Using Microcantilevers. <i>Analytical Chemistry</i> , 2014, 86, 10084-10090.	3.2	6
99	Adsorption of cationic and anionic surfactants on natural and synthetic carbonate materials. <i>Journal of Colloid and Interface Science</i> , 2013, 408, 164-172.	5.0	154
100	Neighbor-induced bubble pinch-off: novel mechanisms of in situ foam generation in microfluidic channels. <i>Soft Matter</i> , 2013, 9, 10971.	1.2	70
101	Magnetic field directed assembly of two-dimensional fractal colloidal aggregates. <i>Soft Matter</i> , 2013, 9, 9167.	1.2	37
102	Estimation of Parameters for the Simulation of Foam Flow through Porous Media. Part 1: The Dry-Out Effect. <i>Energy & Fuels</i> , 2013, 27, 2363-2375.	2.5	166
103	Generating an in situ tunable interaction potential for probing 2-D colloidal phase behavior. <i>Soft Matter</i> , 2013, 9, 6867.	1.2	48
104	Estimation of Parameters for the Simulation of Foam Flow through Porous Media: Part 3; Non-Uniqueness, Numerical Artifact and Sensitivity. , 2013, , .		7
105	Porous Silicon as Anode Material for Lithium-Ion Batteries. <i>Springer Series in Materials Science</i> , 2013, , 1-23.	0.4	1
106	DNA-Linked Magnetic Particles: A Model Macromolecule. <i>Biophysical Journal</i> , 2012, 102, 639a.	0.2	0
107	Inexpensive method for producing macroporous silicon particulates (MPSPs) with pyrolyzed polyacrylonitrile for lithium ion batteries. <i>Scientific Reports</i> , 2012, 2, 795.	1.6	97
108	Surface Properties of Bottlebrush Polymer Thin Films. <i>Macromolecules</i> , 2012, 45, 7118-7127.	2.2	112

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109	Freestanding Macroporous Silicon and Pyrolyzed Polyacrylonitrile As a Composite Anode for Lithium Ion Batteries. <i>Chemistry of Materials</i> , 2012, 24, 2998-3003.	3.2	110
110	Characteristics of spontaneously formed nanoemulsions in octane/AOT/brine systems. <i>Journal of Colloid and Interface Science</i> , 2012, 385, 111-121.	5.0	15
111	Visualization of improved sweep with foam in heterogeneous porous media using microfluidics. <i>Soft Matter</i> , 2012, 8, 10669.	1.2	192
112	Characterizing the Interactions of Lipid Bilayers with Antimicrobial Peptide and Phospholipase A2. <i>Biophysical Journal</i> , 2012, 102, 92a.	0.2	0
113	Sensitive Detection of TNT using Competition Assay on Quartz Crystal Microbalance. <i>Journal of Biosensors & Bioelectronics</i> , 2012, 03, .	0.4	3
114	Surface wrinkling in liquid crystal elastomers. <i>Soft Matter</i> , 2012, 8, 7138.	1.2	76
115	Templating CdSe tetrapods at the air/water interface with POPC lipids. <i>Journal of Colloid and Interface Science</i> , 2012, 378, 58-63.	5.0	7
116	Gold-coated porous silicon films as anodes for lithium ion batteries. <i>Journal of Power Sources</i> , 2012, 205, 426-432.	4.0	123
117	Probing Insertion and Solubilization Effects of Lysolipids on Supported Lipid Bilayers Using Microcantilevers. <i>Analytical Chemistry</i> , 2011, 83, 4794-4801.	3.2	9
118	Monitoring DNA Binding to Escherichia coli Lactose Repressor Using Quartz Crystal Microbalance with Dissipation. <i>Langmuir</i> , 2011, 27, 4900-4905.	1.6	12
119	Wettability control and patterning of PDMS using UV α ozone and water immersion. <i>Journal of Colloid and Interface Science</i> , 2011, 363, 371-378.	5.0	70
120	Axial Thermal Rotation of Slender Rods. <i>Physical Review Letters</i> , 2011, 106, 188302.	2.9	10
121	A high throughput microelectroporation device to introduce a chimeric antigen receptor to redirect the specificity of human T cells. <i>Biomedical Microdevices</i> , 2010, 12, 855-863.	1.4	30
122	Non-Layer-by-Layer Assembly and Encapsulation Uses of Nanoparticle-Shelled Hollow Spheres. <i>Advances in Polymer Science</i> , 2010, , 89-114.	0.4	5
123	Measuring short-range repulsive forces by imaging directed magnetic-particle assembly title. <i>Soft Matter</i> , 2010, 6, 239-242.	1.2	22
124	Using Microcantilevers to Study the Interactions of Lipid Bilayers with Solid Surfaces. <i>Analytical Chemistry</i> , 2010, 82, 7527-7532.	3.2	13
125	Microfluidic Formation of Ionically Cross-Linked Polyamine Gels. <i>Langmuir</i> , 2010, 26, 6650-6656.	1.6	12
126	Bending dynamics of DNA-linked colloidal particle chains. <i>Soft Matter</i> , 2010, 6, 4197.	1.2	41

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127	Combination of Gene Therapy and Nanoparticle Imaging for Improving T-Cell Therapy.. Blood, 2010, 116, 1479-1479.	0.6	6
128	Large scale generation of genetically modified T-cells using micro-electroporators for cancer treatments. , 2009, , .		0
129	Probing the Stability of Magnetically Assembled DNA-Linked Colloidal Chains. Langmuir, 2009, 25, 8944-8950.	1.6	24
130	Micro- and Nanocantilever Systems for Molecular Analysis. , 2008, , 82-97.		1
131	Using a Microcantilever Array for Detecting Phase Transitions and Stability of DNA. Clinics in Laboratory Medicine, 2007, 27, 163-171.	0.7	9
132	Nanomechanical Detection of DNA Melting on Microcantilever Surfaces. Analytical Chemistry, 2006, 78, 7104-7109.	3.2	67
133	Using a Microcantilever Array for Detecting Phase Transitions and Stability of DNA. Journal of the Association for Laboratory Automation, 2006, 11, 222-226.	2.8	6
134	Rotational dynamics of semiflexible paramagnetic particle chains. Physical Review E, 2004, 69, 041406.	0.8	128
135	Micromixing with Linked Chains of Paramagnetic Particles. Analytical Chemistry, 2004, 76, 6448-6455.	3.2	159
136	Mechanics of semiflexible chains formed by poly(ethylene glycol)-linked paramagnetic particles. Physical Review E, 2003, 68, 021402.	0.8	100
137	Magnetically Actuated Colloidal Chains in Microchannels. , 2002, , 760-762.		0
138	Semiflexible Chains of Magnetic Particles. , 2001, , 149-150.		0