Ahmet F DemirÃ¶rs

List of Publications by Year
in descending order

32 papers	1,646 citations	304743 22 h-index	395702 33 g-index
36 all docs	36 docs citations	36 times ranked	2620 citing authors

#	Article	IF	Citations
1	Magnetic propulsion of colloidal microrollers controlled by electrically modulated friction. Soft Matter, 2021, 17, 1037-1047.	2.7	12
2	Amphibious Transport of Fluids and Solids by Soft Magnetic Carpets. Advanced Science, 2021, 8, e2102510.	11.2	31
3	Programmable droplet manipulation and wetting with soft magnetic carpets. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	27
4	Shape-encoded dynamic assembly of mobile micromachines. Nature Materials, 2019, 18, 1244-1251.	27.5	117
5	Emulsions Stabilized by Chitosan-Modified Silica Nanoparticles: pH Control of Structureâ€“Property Relations. Langmuir, 2018, 34, 6147-6160.	3.5	51
6	Active cargo transport with Janus colloidal shuttles using electric and magnetic fields. Soft Matter, 2018, 14, 4741-4749.	2.7	74
7	Electric Field Assembly of Colloidal Superstructures. Journal of Physical Chemistry Letters, 2018, 9, 4437-4443.	4.6	16
8	Multiscale directed self-assembly of composite microgels in complex electric fields. Soft Matter, 2017, 13, 88-100.	2.7	13
9	Colloidal Switches by Electric and Magnetic Fields. ACS Applied Materials & Interfaces, 2017, 9, 17238-17244.	8.0	21
10	Colloidal assembly and 3D shaping by dielectrophoretic confinement. Soft Matter, 2017, 13, 3182-3189.	2.7	6
11	One-Step Bulk Fabrication of Polymer-Based Microcapsules with Hardâ€“Soft Bilayer Thick Shells. ACS Applied Materials & Interfaces, 2017, 9, 37364-37373.	8.0	12
12	Colloidal shuttles for programmable cargo transport. Nature Communications, 2017, 8, 1872.	12.8	28
13	Periodically microstructured composite films made by electric- and magnetic-directed colloidal assembly. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4623-4628.	7.1	34
14	Magnetophoretic Assembly of Anisotropic Colloids for Spatial Control of Reinforcement in Composites. Journal of Physical Chemistry B, 2016, 120, 9759-9765.	2.6	5
15	Magnetic assembly of transparent and conducting graphene-based functional composites. Nature Communications, 2016, 7, 12078.	12.8	97
16	Magnetofluidic Tweezing of Nonmagnetic Colloids. Advanced Materials, 2016, 28, 3453-3459.	21.0	28
17	Long-Ranged Oppositely Charged Interactions for Designing New Types of Colloidal Clusters. Physical Review X, 2015, 5, .	8.9	30
18	Robust Microcompartments with Hydrophobically Gated Shells. Langmuir, 2015, 31, 6965-6970.	3.5	11

#	Article	IF	Citations
19	Mechanical Control of Surface Adsorption by Nanoscale Cracking. Advanced Materials, 2014, 26, 3667-3672.	21.0	5
20	Switching plastic crystals of colloidal rods with electric fields. Nature Communications, 2014, 5, 3092.	12.8	103
21	Colloidal assembly directed by virtual magnetic moulds. Nature, 2013, 503, 99-103.	27.8	177
22	Colloidal Analogues of Charged and Uncharged Polymer Chains with Tunable Stiffness. Angewandte Chemie - International Edition, 2012, 51, 11249-11253.	13.8	94
23	Nanonewton optical force trap employing anti-reflection coated, high-refractive-index titania microspheres. Nature Photonics, 2012, 6, 469-473.	31.4	108
24	Seeded Growth of Titania Colloids with Refractive Index Tunability and Fluorophore-Free Luminescence. Langmuir, 2011, 27, 1626-1634.	3.5	23
25	Directed Self-Assembly of Colloidal Dumbbells with an Electric Field. Langmuir, 2010, 26, 14466-14471.	3.5	92
26	Phase Behavior and Structure of a New Colloidal Model System of Bowl-Shaped Particles. Nano Letters, 2010, 10, 1907-1911.	9.1	95
27	A General Method to Coat Colloidal Particles with Titania. Langmuir, 2010, 26, 9297-9303.	3.5	85
28	BaTiO₃, SrTiO₃, CaTiO₃, and Ba_xSr_{1â^'x}TiO₃ Particles: A General Approach for Monodisperse Colloidal Perovskites. Chemistry of Materials, 2009, 21, 3002-3007.	6.7	87
29	Synthesis of Eccentric Titaniaâ^'Silica Coreâ^'Shell and Composite Particles. Chemistry of Materials, 2009, 21, 979-984.	6.7	61
30	The effect of anions of transition metal salts on the structure of modified mesostructured silica films and monoliths. Microporous and Mesoporous Materials, 2007, 98, 249-257.	4.4	4
31	Can circular dichroism in core-level photoemission provide a spectral fingerprint of adsorbed chiral molecules?. New Journal of Physics, 2005, 7, 109-109.	2.9	8
32	Liquid Crystalline Mesophases of Pluronics (L64, P65, and P123) and Transition Metal Nitrate Salts ([M(H2O)6](NO3)2). Langmuir, 2005, 21, 4156-4162.	3.5	60