

Kanako Watanabe

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Pore expanding effect of hydrophobic agent on 100 nm-sized mesoporous silica particles estimated based on Hansen solubility parameters. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 609, 125647.	4.7	7
2	Polyethylenimine-assisted synthesis of hollow silica spheres without shape deformation. <i>Materials Chemistry and Physics</i> , 2021, 262, 124267.	4.0	6
3	Tunability of Interactions between the Core and Shell in Rattle-Type Particles Studied with Liquid-Cell Electron Microscopy. <i>ACS Nano</i> , 2021, 15, 11137-11149.	14.6	7
4	Correlation of Secondary Particle Number with the Debye-Hückel Parameter for Thickening Mesoporous Silica Shells Formed on Spherical Cores. <i>ACS Omega</i> , 2021, 6, 17734-17740.	3.5	2
5	A reinforced, high- ϵ' ternary polymer nanocomposite dielectrics of PVDF, barium titanate nanoparticles, and TEMPO-oxidized cellulose nanofibers. <i>Composites Part C: Open Access</i> , 2021, 5, 100163.	3.2	6
6	Multipoint Lock-and-Key Assembly of Particles with Anisotropic Dents toward Modeling Rigid Macromolecules in a Colloidal Scale. <i>Langmuir</i> , 2021, 37, 9451-9456.	3.5	1
7	Double-Inverse-Opal-Structured Particle Assembly as a Novel Immobilized Photocatalytic Material. <i>Materials</i> , 2021, 14, 28.	2.9	7
8	Polymer-coating of photocatalytic particles to prevent sintering in their calcination process. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 599, 124782.	4.7	8
9	Observation of Undamped 3D Brownian Motion of Nanoparticles Using Liquid-Cell Scanning Transmission Electron Microscopy. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 2000003.	2.3	18
10	Compartmentalization of gold nanoparticle clusters in hollow silica spheres and their assembly induced by an external electric field. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 202-210.	9.4	15
11	Three-dimensional periodic structures of gold nanoclusters in the interstices of sub-100-nm polymer particles toward surface-enhanced Raman scattering. <i>Advanced Powder Technology</i> , 2019, 30, 2957-2963.	4.1	6
12	Depletion-interaction-driven assembly of golf ball-like particles for development of colloidal macromolecules. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 81-87.	9.4	13
13	The plasmonic properties of gold nanoparticle clusters formed <i>in situ</i> applying an AC electric field. <i>Soft Matter</i> , 2018, 14, 3372-3377.	2.7	12
14	External-Stimuli-Assisted Control over Assemblies of Plasmonic Metals. <i>Materials</i> , 2018, 11, 794.	2.9	11
15	Yolk/Shell Colloidal Crystals Incorporating Movable Cores with Their Motion Controlled by an External Electric Field. <i>Langmuir</i> , 2017, 33, 296-302.	3.5	18
16	Rattle-Type Colloidal Crystals Composed of Spherical Hollow Particles Containing an Anisotropic, Movable Core. <i>Langmuir</i> , 2015, 31, 5306-5310.	3.5	12
17	Magnetic Field Aligned Assembly of Nonmagnetic Composite Dumbbells in Nanoparticle-Based Aqueous Ferrofluid. <i>Langmuir</i> , 2015, 31, 5590-5595.	3.5	13