

Albert P Philipse

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,730
citations

361413

20
h-index

276875

41
g-index

44
all docs

44
docs citations

44
times ranked

2059
citing authors

#	ARTICLE	IF	CITATIONS
1	Cubic crystals from cubic colloids. <i>Soft Matter</i> , 2011, 7, 4139-4142.	2.7	316
2	Direct observation of ionic structure at solid-liquid interfaces: a deep look into the Stern Layer. <i>Scientific Reports</i> , 2014, 4, 4956.	3.3	160
3	Self-Assembly of Colloidal Cubes via Vertical Deposition. <i>Langmuir</i> , 2012, 28, 7631-7638.	3.5	125
4	On the Density and Structure Formation in Gels and Clusters of Colloidal Rods and Fibers. <i>Langmuir</i> , 1998, 14, 49-54.	3.5	108
5	Shape-sensitive crystallization in colloidal superball fluids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5286-5290.	7.1	108
6	Observation of solid-solid transitions in 3D crystals of colloidal superballs. <i>Nature Communications</i> , 2017, 8, 14352.	12.8	76
7	Concentration-Dependent Sedimentation of Dilute Magnetic Fluids and Magnetic Silica Dispersions. <i>Langmuir</i> , 1997, 13, 6018-6025.	3.5	63
8	Preparation and Properties of Optically Transparent Aqueous Dispersions of Monodisperse Fluorinated Colloids. <i>Langmuir</i> , 2001, 17, 6086-6093.	3.5	59
9	Self-assembly of colloidal hematite cubes: a microradian X-ray diffraction exploration of sedimentary crystals. <i>Soft Matter</i> , 2013, 9, 10729.	2.7	55
10	Effect of particle shape on the random packing density of amorphous solids. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 2299-2302.	1.8	53
11	Self-organization in dipolar cube fluids constrained by competing anisotropies. <i>Soft Matter</i> , 2018, 14, 1080-1087.	2.7	52
12	Isochoric ideality in jammed random packings of non-spherical granular matter. <i>Soft Matter</i> , 2011, 7, 1671.	2.7	50
13	Self-assembly of spherical colloidal particles with off-centered magnetic dipoles. <i>Soft Matter</i> , 2013, 9, 8904.	2.7	39
14	In situ hard X-ray microscopy of self-assembly in colloidal suspensions. <i>RSC Advances</i> , 2013, 3, 15670.	3.6	38
15	Silica cubes with tunable coating thickness and porosity: From hematite filled silica boxes to hollow silica bubbles. <i>Microporous and Mesoporous Materials</i> , 2014, 195, 75-86.	4.4	33
16	Colloidal cubes for the enhanced degradation of organic dyes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10193.	10.3	32
17	Self-diffusion of charged colloidal tracer spheres in transparent porous glass media: Effect of ionic strength and pore size. <i>Journal of Chemical Physics</i> , 1998, 108, 7469-7477.	3.0	29
18	Rotational dynamics of charged colloidal spheres: Role of particle interactions. <i>Journal of Chemical Physics</i> , 2002, 117, 7751-7764.	3.0	26

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19	First in Situ Determination of Confined Brownian Tracer Motion in Dense Random Sphere Packings. <i>Langmuir</i> , 1999, 15, 1896-1898.	3.5	25
20	In situ observation of self-assembly of sugars and surfactants from nanometres to microns. <i>Soft Matter</i> , 2017, 13, 2421-2425.	2.7	21
21	Inward growth by nucleation: Multiscale self-assembly of ordered membranes. <i>Science Advances</i> , 2018, 4, eaat1817.	10.3	21
22	Morphology-controlled functional colloids by heterocoagulation of zein and nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 483, 209-215.	4.7	20
23	Algebraic Repulsions between Charged Planes with Strongly Overlapping Electrical Double Layers. <i>Langmuir</i> , 2013, 29, 2859-2870.	3.5	18
24	Convectively Assembled Monolayers of Colloidal Cubes: Evidence of Optimal Packings. <i>Langmuir</i> , 2019, 35, 4946-4955.	3.5	18
25	Random Packings Of Rod-Sphere Mixtures Simulated By Mechanical Contraction. , 2009, , .		17
26	Colloidal iron(III) pyrophosphate particles. <i>Food Chemistry</i> , 2014, 151, 243-247.	8.2	16
27	Design of Colloidal Pt Catalysts Encapsulated by Silica Nano Membranes for Enhanced Stability in H ₂ S Streams. <i>Catalysis Letters</i> , 2010, 137, 132-140.	2.6	15
28	Self-assembly of charged colloidal cubes. <i>Soft Matter</i> , 2020, 16, 4451-4461.	2.7	15
29	Anomalous Attraction between Colloidal Magnetite and Silica Spheres in Apolar Solvents. <i>Langmuir</i> , 2001, 17, 7204-7209.	3.5	14
30	Synthesis of Hollow Silica Nanocubes with Tuneable Size and Shape, Suitable for Light Scattering Studies. <i>Colloids and Interfaces</i> , 2018, 2, 44.	2.1	14
31	Second virial coefficients of dipolar hard spheres. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 325104.	1.8	13
32	Controlling CaCO ₃ Particle Size with {Ca ²⁺ }:{CO ₃ ²⁻ } Ratios in Aqueous Environments. <i>Crystal Growth and Design</i> , 2021, 21, 1576-1590.	3.0	12
33	Self-Organization of Anisotropic and Binary Colloids in Thermo-Switchable 1D Microconfinement. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 313-320.	2.3	11
34	Wet-Chemical Synthesis of Chiral Colloids. <i>ACS Nano</i> , 2018, 12, 12089-12095.	14.6	10
35	Rotational dynamics of colloidal tracer spheres in suspensions of charged rigid rods. <i>Journal of Chemical Physics</i> , 2003, 119, 4490-4499.	3.0	9
36	Activation of Human Monocytes by Colloidal Aluminum Salts. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 750-760.	3.3	8

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37	Formation and liquid permeability of dense colloidal cube packings. <i>Physical Review E</i> , 2015, 91, 022311.	2.1	7
38	Experimental Evidence for Algebraic Double-Layer Forces. <i>Langmuir</i> , 2020, 36, 47-54.	3.5	7
39	Interactions between amphoteric surfaces with strongly overlapping double layers. <i>Soft Matter</i> , 2018, 14, 4702-4710.	2.7	6
40	Synthesis method for crystalline hollow titania micron-cubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 228-233.	4.7	5
41	Heterogeneous Catalysis: On Bathroom Mirrors and Boiling Stones. <i>Journal of Chemical Education</i> , 2011, 88, 59-62.	2.3	4
42	A thermodynamic gauge for mobile counter-ions from colloids and nanoparticles. <i>Faraday Discussions</i> , 2015, 181, 103-121.	3.2	1
43	Depletion-Induced Chiral Chain Formation of Magnetic Spheres. <i>Materials</i> , 2021, 14, 507.	2.9	1
44	Self-Assembly: Self-Organization of Anisotropic and Binary Colloids in Thermo-Switchable 1D Microconfinement (Part. Part. Syst. Charact. 3/2015). <i>Particle and Particle Systems Characterization</i> , 2015, 32, 270-270.	2.3	0