Tommy Horozov

List of Publications by Year in Descending Order

55 papers	3,343 citations	28 h-index	56 g-index
56 ext. papers	3,642 ext. citations	6 avg, IF	5.62 L-index

#	Paper	IF	Citations
55	Adsorption trajectories of nonspherical particles at liquid interfaces. *Physical Review E*, **2021**, 103, 042604	2.4	0
54	Surface-Modified Zinc Oxide Nanoparticles for Antialgal and Antiyeast Applications. *ACS Applied Nano Materials*, **2020**, 3, 440-451	5.6	27
53	Efficient preparation of macroporous poly(methyl methacrylate) materials from high internal phase emulsion templates. *Reactive and Functional Polymers*, **2019**, 142, 207-212	4.6	7
52	Self-grafting copper oxide nanoparticles show a strong enhancement of their anti-algal and anti-yeast action. *Nanoscale Advances*, **2019**, 1, 2323-2336	5.1	16
51	Hierarchically structured composites and porous materials from soft templates: fabrication and applications. *Journal of Materials Chemistry A*, **2019**, 7, 8030-8049	13	40
50	Strongly Enhanced Antibacterial Action of Copper Oxide Nanoparticles with Boronic Acid Surface Functionality. *ACS Applied Materials & Interfaces*, **2019**, 11, 12232-12243	9.5	40
49	Controlling the Antimicrobial Action of Surface Modified Magnesium Hydroxide Nanoparticles. *Biomimetics*, **2019**, 4,	3.7	31
48	"Ghost" Silica Nanoparticles of "Host"-Inherited Antibacterial Action. *ACS Applied Materials & Interfaces*, **2019**, 11, 38519-38530	9.5	13
47	Smart soaps: stimulus responsive soap–hydrogel bead composites for controlled dissolution and release of actives. *Materials Chemistry Frontiers*, **2018**, 2, 402-409	7.8	4
46	Hierarchically porous composites fabricated by hydrogel templating and viscous trapping techniques. *Materials and Design*, **2018**, 137, 384-393	8.1	5
45	Density functional theory for the crystallization of two-dimensional dipolar colloidal alloys. *Journal of Physics Condensed Matter*, **2018**, 30, 405102	1.8	9
44	Colloid particle formulations for antimicrobial applications. *Advances in Colloid and Interface Science* , **2017**, 249, 134-148	14.3	53
43	An ultra melt-resistant hydrogel from food grade carbohydrates. *RSC Advances*, **2017**, 7, 45535-45544	3.7	10
42	Sound transmission loss of hierarchically porous composites produced by hydrogel templating and viscous trapping techniques. *Materials Chemistry Frontiers*, **2017**, 1, 2627-2637	7.8	4
41	Structuring and calorie control of bakery products by templating batter with ultra melt-resistant food-grade hydrogel beads. *Food and Function*, **2017**, 8, 2967-2973	6.1	3
40	Preparation and attachment of liquid-infused porous supra-particles to liquid interfaces. *Soft Matter*, **2016**, 12, 8375-8387	3.6	5
39	Attachment of composite porous supra-particles to air-water and oil-water interfaces: theory and experiment. *Physical Chemistry Chemical Physics*, **2016**, 18, 26495-26508	3.6	7

38	Adsorption of shape-anisotropic and porous particles at the air–water and the decane–water interface studied by the gel trapping technique. *RSC Advances*, **2014**, 4, 2205-2213	3.7	29
37	Adsorption of carboxylic modified latex particles at liquid interfaces studied by the gel trapping technique. *Soft Matter*, **2014**, 10, 6433-41	3.6	11
36	Non-aqueous stabilized suspensions of $BaZr_{0.85}Y_{0.15}O_{3-\delta}$ proton conducting electrolyte powders for thin film preparation. *Journal of the European Ceramic Society*, **2013**, 33, 1833-1840	6	6
35	Self-assembly of two-dimensional colloidal clusters by tuning the hydrophobicity, composition, and packing geometry. *Physical Review Letters*, **2013**, 110, 138301	7.4	47
34	Adsorption of sterically stabilized latex particles at liquid surfaces: effects of steric stabilizer surface coverage, particle size, and chain length on particle wettability. *Langmuir*, **2012**, 28, 7291-8	4	34
33	The structure and melting transition of two-dimensional colloidal alloys. *Soft Matter*, **2011**, 7, 8923	3.6	14
32	Two-dimensional colloidal alloys. *Physical Review Letters*, **2011**, 106, 128302	7.4	53
31	Comb-like non-ionic polymeric macrosurfactants. *Soft Matter*, **2010**, 6, 2321	3.6	39
30	Highly permeable macroporous polymers synthesized from pickering medium and high internal phase emulsion templates. *Advanced Materials*, **2010**, 22, 3588-92	24	240
29	Novel film-calliper method of measuring the contact angle of colloidal particles at liquid interfaces. *Langmuir*, **2008**, 24, 1678-81	4	35
28	Foams and foam films stabilised by solid particles. *Current Opinion in Colloid and Interface Science*, **2008**, 13, 134-140	7.6	320
27	Effect of electrolyte in silicone oil-in-water emulsions stabilised by fumed silica particles. *Physical Chemistry Chemical Physics*, **2007**, 9, 6398-404	3.6	113
26	Emulsification of partially miscible liquids using colloidal particles: nonspherical and extended domain structures. *Langmuir*, **2007**, 23, 5984-94	4	65
25	Particle-stabilized emulsions: a bilayer or a bridging monolayer?. *Angewandte Chemie - International Edition*, **2006**, 45, 773-6	16.4	251
24	Particle-Stabilized Emulsions: A Bilayer or a Bridging Monolayer?. *Angewandte Chemie*, **2006**, 118, 787-790	3.6	59
23	Wetting phenomena at the CO2/water/glass interface. *Langmuir*, **2006**, 22, 2161-70	4	152
22	Effect of particle hydrophobicity on the formation and collapse of fumed silica particle monolayers at the oil–water interface. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2006**, 282-283, 377-386	5.1	63
21	Particle zips: vertical emulsion films with particle monolayers at their surfaces. *Langmuir*, **2005**, 21, 2330-41	4	104

20	Structure and stability of silica particle monolayers at horizontal and vertical octane-water interfaces. *Langmuir*, **2005**, 21, 7405-12	4	86
19	Particle behaviour at horizontal and vertical fluid interfaces. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2005**, 267, 64-73	5.1	47
18	Aqueous foams stabilized solely by silica nanoparticles. *Angewandte Chemie - International Edition*, **2005**, 44, 3722-5	16.4	396
17	Aqueous Foams Stabilized Solely by Silica Nanoparticles. *Angewandte Chemie*, **2005**, 117, 3788-3791	3.6	164
16	Colloid-stabilized emulsions: behaviour as the interfacial tension is reduced. *Journal of Physics Condensed Matter*, **2005**, 17, S3433-S3438	1.8	22
15	Stability of suspensions, emulsions, and foams studied by a novel automated analyzer. *Langmuir*, **2004**, 20, 9007-13	4	20
14	Dynamics of foams of ethoxylated ionic surfactant in the presence of micelles and multivalent ions. *Colloid and Polymer Science*, **2003**, 281, 130-142	2.4	12
13	Order□Disorder Transition in Monolayers of Modified Monodisperse Silica Particles at the Octane□Water Interface. *Langmuir*, **2003**, 19, 2822-2829	4	173
12	Aspects of the stabilisation of emulsions by solid particles: Effects of line tension and monolayer curvature energy. *Physical Chemistry Chemical Physics*, **2003**, 5, 2398	3.6	110
11	Measurement of long-range repulsive forces between charged particles at an oil-water interface. *Physical Review Letters*, **2002**, 88, 246102	7.4	245
10	Solid particles as emulsion stabilisers **2002**, 11-18		5
9	Adsorption Kinetics of Some Polyethylene Glycol Octylphenyl Ethers Studied by the Fast Formed Drop Technique. *Journal of Colloid and Interface Science*, **2000**, 222, 146-155	9.3	20
8	A Novel Fast Technique for Measuring Dynamic Surface and Interfacial Tension of Surfactant Solutions at Constant Interfacial Area. *Journal of Colloid and Interface Science*, **1999**, 219, 99-109	9.3	33
7	INTERFACIAL RHEOLOGY AND KINETICS OF ADSORPTION FROM SURFACTANT SOLUTION. *Journal of Dispersion Science and Technology*, **1997**, 18, 593-607	1.5	9
6	Adsorption from Micellar Surfactant Solutions: Nonlinear Theory and Experiment. *Journal of Colloid and Interface Science*, **1996**, 183, 223-235	9.3	29
5	Effect of the surface expansion and wettability of the capillary on the dynamic surface tension measured by the maximum bubble pressure method. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **1996**, 113, 117-126	5.1	22
4	Dynamic surface properties of aqueous Brij58 solutions at the air/water interface. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **1995**, 94, 85-91	5.1	5
3	Dynamic Surface Tension of Surfactant Solutions Studied by Peaktensiometry. *Journal of Colloid and Interface Science*, **1995**, 173, 334-342	9.3	19

2	Composition of mixed adsorption layers of non-ionic surfactants an oil/water interfaces. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **1994**, 87, 81-92	5.1	13
1	On the Liquid Membrane Extraction of Lanthanum and Neodymium. *Separation Science and Technology*, **1993**, 28, 1641-1646	2.5	4