

Michał, Cieła

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Mechanisms of Fibrinogen Adsorption at Solid Substrates. <i>Langmuir</i> , 2011, 27, 6868-6878.	3.5	85
2	Kinetics of Fibrinogen Adsorption on Hydrophilic Substrates. <i>Langmuir</i> , 2010, 26, 11934-11945.	3.5	59
3	Continuum random sequential adsorption of polymer on a flat and homogeneous surface. <i>Physical Review E</i> , 2013, 87, 052401.	2.1	44
4	Mechanisms of Fibrinogen Adsorption at Solid Substrates at Lower pH. <i>Langmuir</i> , 2013, 29, 7005-7016.	3.5	44
5	Human Fibrinogen Monolayers on Latex Particles: Role of Ionic Strength. <i>Langmuir</i> , 2013, 29, 3700-3710.	3.5	39
6	In a search for a shape maximizing packing fraction for two-dimensional random sequential adsorption. <i>Journal of Chemical Physics</i> , 2016, 145, 044708.	3.0	39
7	Boundary conditions in random sequential adsorption. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 043302.	2.3	33
8	Random packing of regular polygons and star polygons on a flat two-dimensional surface. <i>Physical Review E</i> , 2014, 90, 022402.	2.1	30
9	Human Fibrinogen Adsorption on Positively Charged Latex Particles. <i>Langmuir</i> , 2014, 30, 11165-11174.	3.5	29
10	Shapes for maximal coverage for two-dimensional random sequential adsorption. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24376-24381.	2.8	28
11	Modelling of interacting dimer adsorption. <i>Surface Science</i> , 2013, 612, 24-30.	1.9	24
12	Saturated packings of convex anisotropic objects under random sequential adsorption protocol. <i>Physical Review E</i> , 2018, 98, .	2.1	24
13	Polymer fragmentation in extensional flow. <i>Physical Review E</i> , 2001, 63, 061801.	2.1	23
14	Random sequential adsorption on fractals. <i>Journal of Chemical Physics</i> , 2012, 137, 044706.	3.0	23
15	Fibrinogen adsorption mechanisms at the gold substrate revealed by QCM-D measurements and RSA modeling. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 139, 123-131.	5.0	22
16	Properties of random sequential adsorption of generalized dimers. <i>Physical Review E</i> , 2014, 89, 042404.	2.1	19
17	Formation of Poly-L-lysine Monolayers on Silica: Modeling and Experimental Studies. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4571-4581.	3.1	19
18	Synchronization induced by Langevin dynamics. <i>Physical Review E</i> , 2001, 63, 065202.	2.1	18

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19	Monolayers of the HSA dimer on polymeric microparticles-electrokinetic characteristics. Colloids and Surfaces B: Biointerfaces, 2016, 148, 229-237.	5.0	18
20	Random sequential adsorption of unoriented rectangles at saturation. Physical Review E, 2018, 98, .	2.1	18
21	Random sequential adsorption of cubes. Journal of Chemical Physics, 2018, 148, 024501.	3.0	17
22	Formation mechanism of human serum albumin monolayers on positively charged polymer microparticles. Colloids and Surfaces B: Biointerfaces, 2017, 159, 929-936.	5.0	17
23	Random packing of spheres in Menger sponge. Journal of Chemical Physics, 2013, 138, 214704.	3.0	16
24	Random sequential adsorption of trimers and hexamers. Journal of Molecular Modeling, 2013, 19, 5423-5427.	1.8	16
25	Scaling Properties of the Number of Random Sequential Adsorption Iterations Needed to Generate Saturated Random Packing. Journal of Statistical Physics, 2017, 166, 39-44.	1.2	15
26	Mechanisms of Fibrinogen Adsorption on Silica Sensors at Various pHs: Experiments and Theoretical Modeling. Langmuir, 2019, 35, 11275-11284.	3.5	15
27	Synchronization in the presence of memory. Europhysics Letters, 2007, 79, 10002.	2.0	14
28	Correlations in the isotropic phases of chiral liquid crystals: The role of helicity modes. Physical Review E, 2003, 67, 061705.	2.1	13
29	An RSA study of dimers. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P03015.	2.3	12
30	Anomalous Diffusion on Fractal Structure of Magnetic Membranes. Acta Physica Polonica B, 2013, 44, 955.	0.8	12
31	Lysozyme Monolayers at Polymer Microparticles: Electrokinetic Characteristics and Modeling. Journal of Physical Chemistry C, 2018, 122, 17846-17855.	3.1	11
32	Random sequential adsorption of ellipsoids and spherocylinders. Physica A: Statistical Mechanics and Its Applications, 2019, 527, 121361.	2.6	11
33	Managing numerical errors in random sequential adsorption. Surface Science, 2016, 651, 182-186.	1.9	10
34	Ordering in fibrinogen layers: A numerical study. Colloids and Surfaces B: Biointerfaces, 2013, 110, 178-182.	5.0	9
35	Kinetics of random sequential adsorption of nearly spherically symmetric particles. Physical Review E, 2014, 89, 022401.	2.1	9
36	High density monolayers of plasmid protein on latex particles: experiments and theoretical modeling. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P04003.	2.3	9

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37	Random sequential adsorption of cuboids. <i>Journal of Chemical Physics</i> , 2018, 149, 194704.	3.0	9
38	Saturated random packing built of arbitrary polygons under random sequential adsorption protocol. <i>Physical Review E</i> , 2019, 100, 062901.	2.1	9
39	Kinetics of random sequential adsorption of two-dimensional shapes on a one-dimensional line. <i>Physical Review E</i> , 2020, 101, 042901.	2.1	9
40	Nanoparticle deposition on heterogeneous surfaces: Random sequential adsorption modeling and experiments. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 617, 126296.	4.7	9
41	Self-consistent model of blue phase III to isotropic phase transition. <i>Physical Review E</i> , 2004, 70, 012701.	2.1	8
42	Random sequential adsorption of starlike particles. <i>Physical Review E</i> , 2015, 91, 042404.	2.1	8
43	Structure and transport properties of ethylcellulose membranes with different types and granulation of magnetic powder. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 452, 241-250.	2.6	8
44	Adsorption/Desorption Transition of Recombinant Human Neurotrophin 4: Physicochemical Characterization. <i>Langmuir</i> , 2017, 33, 9548-9557.	3.5	8
45	Multimodal stationary states under Cauchy noise. <i>Physical Review E</i> , 2019, 99, 052118.	2.1	8
46	Investigation of quaternary structure of aggregating 3-ketosteroid dehydrogenase from <i>Sterolibacterium denitrificans</i> : In the pursuit of consensus of various biophysical techniques. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1027-1039.	2.4	8
47	Random sequential adsorption of tetramers. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P07011.	2.3	7
48	Tracer diffusion inside fibrinogen layers. <i>Journal of Chemical Physics</i> , 2014, 140, 044706.	3.0	7
49	Structure formation in monolayers composed of hard bent-core molecules. <i>Liquid Crystals</i> , 0, , 1-19.	2.2	6
50	Structure-diffusion relationship of polymer membranes with different texture. <i>Physical Review E</i> , 2017, 95, 012155.	2.1	6
51	Random sequential adsorption of particles with tetrahedral symmetry. <i>Physical Review E</i> , 2019, 100, 052903.	2.1	6
52	Effective modelling of adsorption monolayers built of complex molecules. <i>Journal of Computational Physics</i> , 2020, 401, 108999.	3.8	6
53	Algorithms to generate saturated random sequential adsorption packings built of rounded polygons. <i>Physical Review E</i> , 2021, 103, 063308.	2.1	6
54	Domain Structure Created by Irreversible Adsorption of Dimers. <i>Acta Physica Polonica B</i> , 2013, 44, 937.	0.8	5

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55	Random Sequential Adsorption of Unoriented Cuboids with a Square Base and a Comparison of Cuboid–Cuboid Intersection Tests. <i>Acta Physica Polonica B</i> , 2018, 49, 981.	0.8	5
56	Deposition of Polymer Particles with Fibrinogen Corona at Abiotic Surfaces under Flow Conditions. <i>Molecules</i> , 2021, 26, 6299.	3.8	5
57	Taming Lévy flights in confined crowded geometries. <i>Journal of Chemical Physics</i> , 2015, 142, 164904.	3.0	4
58	Surface fine structure influence on saturated random packings. <i>Journal of Chemical Physics</i> , 2017, 146, 054706.	3.0	4
59	Design of polymer membrane morphology with prescribed structure and diffusion properties. <i>Chemical Physics</i> , 2020, 531, 110662.	1.9	4
60	A Simple Mechanism Causing Wealth Concentration. <i>Entropy</i> , 2020, 22, 1148.	2.2	4
61	Random sequential adsorption of oriented rectangles with random aspect ratio. <i>Physical Review E</i> , 2021, 104, 034903.	2.1	4
62	Diffusion in crowded environments: Trapped by the drift. <i>Physical Review E</i> , 2021, 104, 044127.	2.1	4
63	Random sequential adsorption of rounded rectangles, isosceles and right triangles. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 184003.	2.1	3
64	Landau-de Gennes Theory of Thermotropic Biaxial Nematics: A Role of Fluctuations. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 545, 214/[1438]-219/[1443].	0.9	2
65	Competitive Adsorption of Bimodal Latex Suspension. <i>Acta Physica Polonica B</i> , 2013, 44, 945.	0.8	2
66	Modelling and measurements of fibrinogen adsorption on positively charged microspheres. <i>Condensed Matter Physics</i> , 2016, 19, 13801.	0.7	2
67	Optimal hybrid membrane structure based on experimental results and simulation analysis of diffusion process. <i>Journal of Materials Science</i> , 2022, 57, 11491-11504.	3.7	2
68	Modulated nematic structures and chiral symmetry breaking in 2D. <i>Liquid Crystals</i> , 2016, , 1-11.	2.2	1
69	Qualitative Description of Detachment Forces for Macromolecules. <i>Macromolecules</i> , 2021, 54, 7377-7387.	4.8	1
70	The effect of substrate waviness on random sequential adsorption packing properties. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2022, 2022, 033303.	2.3	1
71	Structure of Chiral Isotropic Phases. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 438, 9/[1573]-16/[1580].	0.9	0
72	Molecular Dynamisc Simulation of Polyelectrolites. <i>Procedia Chemistry</i> , 2009, 1, 1547-1552.	0.7	0

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73	Fibrinogen Monolayers of Controlled Coverage and Conformations for Biosensing Applications. Key Engineering Materials, 2014, 605, 243-246.	0.4	0