

# Andrew Clarke

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6977034/publications.pdf>

Version: 2024-02-01

54  
papers

2,409  
citations

201674

27  
h-index

206112

48  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1885  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spreading and Imbibition of Liquid Droplets on Porous Surfaces. Langmuir, 2002, 18, 2980-2984.	3.5	202
2	Contact Angle Relaxation during Droplet Spreading: A Comparison between Molecular Kinetic Theory and Molecular Dynamics. Langmuir, 1997, 13, 2164-2166.	3.5	149
3	An Investigation of Electrostatic Assist in Dynamic Wetting. Langmuir, 2000, 16, 2928-2935.	3.5	131
4	A leed determination of the structure of cobalt overlayers grown on a single-crystal Cu(001) substrate. Surface Science, 1987, 187, 327-338.	1.9	126
5	Contact Angle Relaxation during the Spreading of Partially Wetting Drops. Langmuir, 1997, 13, 7293-7298.	3.5	121
6	Hydrodynamic assist of dynamic wetting. AICHE Journal, 1994, 40, 229-242.	3.6	119
7	How Viscoelastic-Polymer Flooding Enhances Displacement Efficiency. SPE Journal, 2016, 21, 0675-0687.	3.1	119
8	Flow of concentrated viscoelastic polymer solutions in porous media: effect of $M_w$ and concentration on elastic turbulence onset in various geometries. Soft Matter, 2015, 11, 6419-6431.	2.7	115
9	Mechanism of anomalously increased oil displacement with aqueous viscoelastic polymer solutions. Soft Matter, 2015, 11, 3536-3541.	2.7	91
10	Thickness dependent relaxations in $\hat{\Gamma}^3$ fcc Fe films on Cu(001): A LEED structural study. Surface Science, 1987, 192, L843-L848.	1.9	88
11	Magnetic structure of oxidized Fe(001). Physical Review Letters, 1990, 65, 1647-1650.	7.8	75
12	Visualising surfactant enhanced oil recovery. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 480, 449-461.	4.7	75
13	Exchange-Split Adsorbate Bands: The Role of Substrate Hybridization. Physical Review Letters, 1988, 61, 2257-2260.	7.8	69
14	Viscoelastic polymer flows and elastic turbulence in three-dimensional porous structures. Soft Matter, 2016, 12, 460-468.	2.7	65
15	Spin-polarized photoemission studies of the adsorption of O and S on Fe(001). Physical Review B, 1990, 41, 9659-9667.	3.2	63
16	Spin-polarized photoemission spectroscopy of magnetic surfaces using undulator radiation. Review of Scientific Instruments, 1992, 63, 1902-1908.	1.3	61
17	Experimental Investigation of the Link between Static and Dynamic Wetting by Forced Wetting of Nylon Filament. Langmuir, 2007, 23, 10628-10634.	3.5	61
18	Model Study of Enhanced Oil Recovery by Flooding with Aqueous Surfactant Solution and Comparison with Theory. Langmuir, 2015, 31, 3076-3085.	3.5	53

#	ARTICLE	IF	CITATIONS
19	Time-dependent equations governing the shape of a two-dimensional liquid curtain, Part 1: Theory. <i>Physics of Fluids</i> , 1997, 9, 3625-3636.	4.0	48
20	Nonlocal hydrodynamic influence on the dynamic contact angle: Slip models versus experiment. <i>Physical Review E</i> , 2006, 73, 041606.	2.1	48
21	Magnetic surface states on Fe(001). <i>Physical Review B</i> , 1990, 41, 2643-2645.	3.2	46
22	Droplet spreading: a microscopic approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 149, 123-130.	4.7	38
23	Electronic and magnetic structure of bcc nickel. <i>Physical Review B</i> , 1992, 46, 237-241.	3.2	37
24	Time-dependent equations governing the shape of a two-dimensional liquid curtain, Part 2: Experiment. <i>Physics of Fluids</i> , 1997, 9, 3637-3644.	4.0	33
25	Coating on a rough surface. <i>AIChE Journal</i> , 2002, 48, 2149-2156.	3.6	33
26	Real-time oil-saturation monitoring in rock cores with low-field NMR. <i>Journal of Magnetic Resonance</i> , 2015, 256, 34-42.	2.1	30
27	Interaction of carbon monoxide with Fe(001). <i>Physical Review Letters</i> , 1989, 63, 2764-2767.	7.8	29
28	How Viscoelastic Polymer Flooding Enhances Displacement Efficiency. , 2015, , .		29
29	Study of local magnetic properties of an adsorbate by spin-polarized Auger-electron spectroscopy. <i>Physical Review Letters</i> , 1989, 62, 2740-2743.	7.8	27
30	The application of particle tracking velocimetry and flow visualisation to curtain coating. <i>Chemical Engineering Science</i> , 1995, 50, 2397-2407.	3.8	26
31	Viscoelastic drops moving on hydrophilic and superhydrophobic surfaces. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 53-61.	9.4	26
32	Direct evidence supporting nonlocal hydrodynamic influence on the dynamic contact angle. <i>Physics of Fluids</i> , 2006, 18, 048106.	4.0	24
33	Spin-polarized Auger-electron diffraction study of the magnetic poisoning of Fe(001) by sulfur. <i>Physical Review B</i> , 1995, 52, R6955-R6958.	3.2	19
34	Optical and thermal evidence for the metal-insulator transition in 1T-TaS <sub>2</sub> . <i>Journal of Physics C: Solid State Physics</i> , 1983, 16, L831-L834.	1.5	17
35	Shear and extensional deformation of droplets containing polymers and nanoparticles. <i>Journal of Chemical Physics</i> , 2009, 130, 234905.	3.0	14
36	Thickening of viscoelastic flow in a model porous medium. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2018, 251, 56-68.	2.4	14

#	ARTICLE	IF	CITATIONS
37	Model Study of Enhanced Oil Recovery by Flooding with Aqueous Solutions of Different Surfactants: How the Surface Chemical Properties of the Surfactants Relate to the Amount of Oil Recovered. Energy & Fuels, 2016, 30, 4767-4780.	5.1	12
38	Visualising Surfactant EOR in Core Plugs and Micromodels. , 2015, , .		11
39	Droplet spreading: a tool to characterize surfaces at the microscopic scale. Journal of Petroleum Science and Engineering, 1999, 24, 189-198.	4.2	10
40	Sliding viscoelastic drops on slippery surfaces. Applied Physics Letters, 2016, 108, .	3.3	10
41	Wavevector imaging photoelectron spectrometer. Review of Scientific Instruments, 1987, 58, 1439-1444.	1.3	6
42	Thickness dependent relaxations in $\hat{\Gamma}^3$ fcc Fe films on Cu(001): A LEED structural study. Surface Science Letters, 1987, 192, L843-L848.	0.1	6
43	Structural relaxations in epitaxial films of fcc Fe and fcc Co on Cu (001)â€”a comparative LEED study. Vacuum, 1988, 38, 237-239.	3.5	5
44	Monitoring Chemical EOR Processes. , 2014, , .		5
45	Reciprocal Space Imaging of Photoelectron Distributions. Physica Scripta, 1987, 35, 423-426.	2.5	4
46	Spinâ€”polarized coreâ€”level photoemission of oxidized Fe(001)(invited). Journal of Applied Physics, 1991, 70, 5918-5922.	2.5	4
47	Linear instability of shear thinning pressure driven channel flow. Journal of Non-Newtonian Fluid Mechanics, 2019, 270, 66-78.	2.4	4
48	Effect of encapsulated polymers and nanoparticles on shear deformation of droplets. Soft Matter, 2009, 5, 850.	2.7	2
49	Fluctuations in Rayleigh breakup induced by particulates. Advances in Colloid and Interface Science, 2010, 161, 15-21.	14.7	2
50	Accurate Modeling of Polymer Enhanced Oil Recovery Coreflows by Reservoir Simulation. , 2015, , .		2
51	Gel breakdown in a formulated product <i>via</i> accumulated strain. Soft Matter, 2021, 17, 7893-7902.	2.7	2
52	Numerical Simulations of Curtain Coating with a Moving Contact Line. , 2001, , 299-304.		2
53	Permittivity measurement of minerals. Journal of Physics: Conference Series, 2013, 472, 012008.	0.4	1
54	A microstructural investigation of an industrial attractive gel at pressure and temperature. Soft Matter, 2022, , .	2.7	0