

# Alan Fuchs

## List of Publications by Year in descending order

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26  
papers

711  
citations

686830

13  
h-index

713013

21  
g-index

26  
all docs

26  
docs citations

26  
times ranked

740  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymeric phase change composites for thermal energy storage. Journal of Applied Polymer Science, 2004, 93, 1240-1251.	1.3	121
2	Molecular level separation of arsenic (V) from water using cationic surfactant micelles and ultrafiltration membrane. Journal of Membrane Science, 2004, 241, 105-119.	4.1	80
3	Development and characterization of hydrocarbon polyol polyurethane and silicone magnetorheological polymeric gels. Journal of Applied Polymer Science, 2004, 92, 1176-1182.	1.3	75
4	Development and characterization of magnetorheological polymer gels. Journal of Applied Polymer Science, 2002, 84, 2733-2742.	1.3	73
5	Surface polymerization of iron particles for magnetorheological elastomers. Journal of Applied Polymer Science, 2010, 117, 934-942.	1.3	42
6	The effect of co-occurring inorganic solutes on the removal of arsenic (V) from water using cationic surfactant micelles and an ultrafiltration membrane. Desalination, 2005, 181, 9-26.	4.0	39
7	<title>High-torque magnetorheological fluid clutch</title> . , 2002, 4697, 393.		36
8	Heating of a High-torque Magnetorheological Fluid Limited Slip Differential Clutch. Journal of Intelligent Material Systems and Structures, 2008, 19, 235-241.	1.4	36
9	Response time and performance of a high-torque magneto-rheological fluid limited slip differential clutch. Smart Materials and Structures, 2007, 16, 149-159.	1.8	33
10	Behavior of magnetorheological elastomers with coated particles. Smart Materials and Structures, 2015, 24, 035026.	1.8	30
11	Mechanical Disruption of Tumors by Iron Particles and Magnetic Field Application Results in Increased Anti-Tumor Immune Responses. PLoS ONE, 2012, 7, e48049.	1.1	29
12	A Low Force Magneto-rheological (MR) Fluid Damper: Design, Fabrication and Characterization. Journal of Intelligent Material Systems and Structures, 2007, 18, 1155-1160.	1.4	27
13	Surface coated iron particles via atom transfer radical polymerization for thermalâ€œoxidatively stable high viscosity magnetorheological fluid. Journal of Applied Polymer Science, 2013, 128, 470-480.	1.3	19
14	Compressible magnetorheological fluids. Journal of Applied Polymer Science, 2010, 115, 3348-3356.	1.3	13
15	NANOSTRUCTURED AND SURFACE POLYMERIZED IRON PARTICLES FOR MAGNETORHEOLOGICAL FLUIDS. International Journal of Modern Physics B, 2007, 21, 4819-4824.	1.0	11
16	Sensitization of Ln<sup>III</sup> (Ln = Eu, Tb, Tm) Ion Luminescence by Functionalized Polycarbonateâ€œBased Materials and White Light Generation. European Journal of Inorganic Chemistry, 2017, 2017, 5310-5317.	1.0	11
17	Compressible Magnetorheological Fluids Based on Composite Polyurethane Microspheres. Macromolecular Materials and Engineering, 2013, 298, 888-895.	1.7	8
18	Surface grafting of poly(pentafluorostyrene) on the iron and iron oxide particles via reversible addition fragmentation chain transfer (RAFT) polymerization. Journal of Applied Polymer Science, 2017, 134, .	1.3	8

#	ARTICLE	IF	CITATIONS
19	Synthesis and characterization of surface-grafted poly( <i>N</i> -isopropylacrylamide) and poly(carboxylic acid)-iron particles via atom transfer radical polymerization for biomedical applications. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	6
20	Multiplate magnetorheological fluid limited slip differential clutch. , 2003, 5054, 341.		5
21	Surface Modification of Heteropolyacids (HPAs) for Proton Exchange Membrane Fuel Cells (PEMFCs). <i>ECS Transactions</i> , 2010, 28, 1-15.	0.3	4
22	Transport modeling and thermophysical properties of cellular poly(urethane-isocyanurate). <i>Polymer Engineering and Science</i> , 2001, 41, 484-491.	1.5	2
23	DYNAMIC SIMULATION OF PRESSURE DRIVEN FLOW OF FLUIDS WITH SUSPENDED FERROUS PARTICLES IN A MICRO CHANNEL UNDER MAGNETIC FIELD. <i>International Journal of Modern Physics B</i> , 2007, 21, 4890-4897.	1.0	2
24	NANOSTRUCTURED AND SURFACE POLYMERIZED MAGNETORHEOLOGICAL FLUIDS. , 2007, , .		1
25	MAGNETO-RHEOLOGICAL FLUID DAMPER FOR A FRONT-LOADING WASHING MACHINE: DESIGN, FABRICATION AND CHARACTERIZATION. , 2007, , .		0
26	FLOW OF FIELD CONTROLLABLE FLUIDS WITH SUSPENDED FERROUS PARTICLES IN MICRO TUBES UNDER MAGNETIC FIELD. , 2007, , .		0