Ajay Katiyar

List of Publications by Year
in descending order

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18	340	840119 11	839053 18
papers	citations	h-index	g-index

18	18	18	345
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact behavior of aminosilane functionalized nanosilica based shear thickening fluid impregnated Kevlar fabrics. Journal of Applied Polymer Science, 2021, 138, 50862.	1.3	5
2	Energy absorption of graphene and CNT infused hybrid shear thickening fluid embedded textile fabrics. Journal of Polymer Research, 2021, 28, 1.	1.2	5
3	Superior heat conduction and viscous effect in FeNi complex nanofluids under external stimulus. Journal of Applied Physics, 2019, 125, .	1.1	6
4	Tunable thermal conductivity and rheology of in-house synthesized Fe55Co25Ni20 complex fluids under the external magnetic field. Journal of Molecular Liquids, 2019, 294, 111662.	2.3	18
5	Enhanced cluster orderâ€“disorder transition-induced dilatancy in silane-functionalized nanosilica colloids. Soft Matter, 2019, 15, 2092-2102.	1.2	5
6	Magnetoviscoelastic characteristics of superparamagnetic oxides (Fe, Ni) based ferrofluids. Journal of Magnetism and Magnetic Materials, 2017, 436, 35-46.	1.0	13
7	Role of Fibrillation on the Magnetorheological and Viscoelastic Effects in Fe, Ni, and Co Nanocolloids. IEEE Transactions on Magnetics, 2017, 53, 1-8.	1.2	7
8	Large electrorheological phenomena in graphene nano-gels. Nanotechnology, 2017, 28, 035702.	1.3	17
9	Anomalous room temperature magnetorheological behavior of colloidal graphene nanogels. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 530, 218-226.	2.3	9
10	Influence of temperature and particle concentration on the pH of complex nanocolloids. Colloid and Polymer Science, 2017, 295, 1575-1583.	1.0	3
11	Smart viscoelastic and self-healing characteristics of graphene nano-gels. Journal of Applied Physics, 2016, 120, 214304.	1.1	11
12	Enhanced breakdown performance of Anatase and Rutile titania based nano-oils. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 3494-3503.	1.8	24
13	Magnetic field induced augmented thermal conduction phenomenon in magneto-nanocolloids. Journal of Magnetism and Magnetic Materials, 2016, 419, 588-599.	1.0	31
14	Effects of nanostructure permittivity and dimensions on the increased dielectric strength of nano insulating oils. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 509, 235-243.	2.3	41
15	Superior dielectric breakdown strength of graphene and carbon nanotube infused nano-oils. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 943-956.	1.8	43
16	Enhanced heat conduction characteristics of Fe, Ni and Co nanofluids influenced by magnetic field. Experimental Thermal and Fluid Science, 2016, 78, 345-353.	1.5	30
17	Near-field magnetostatics and NÃ©elâ€“Brownian interactions mediated magneto-rheological characteristics of highly stable nano-ferrocolloids. Soft Matter, 2015, 11, 1614-1627.	1.2	25
18	Rheological behavior of magnetic nanofluids containing spherical nanoparticles of Feâ€“Ni. Powder Technology, 2012, 224, 86-89.	2.1	47