

See Jo Kim

List of Publications by Year in descending order

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docs citations

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144
citing authors

#	ARTICLE	IF	CITATIONS
1	Operability coating windows and frequency response in slot coating flows from a viscocapillary model. <i>Chemical Engineering Science</i> , 2011, 66, 4953-4959.	3.8	36
2	Bonding, Reactivity, and Mechanical Properties of the Kinetic-Sprayed Deposition of Al for a Thermally Activated Reactive Cu Liner. <i>Journal of Thermal Spray Technology</i> , 2014, 23, 818-826.	3.1	19
3	Photobiocidal-triboelectric nanolayer coating of photosensitizer/silica-alumina for reusable and visible-light-driven antibacterial/antiviral air filters. <i>Chemical Engineering Journal</i> , 2022, 440, 135830.	12.7	18
4	Finite element analysis of axisymmetric creeping motion of a deformable non-Newtonian drop in the entrance region of a cylindrical tube. <i>Journal of Rheology</i> , 2001, 45, 1279-1303.	2.6	17
5	Particle size effect on the magneto-rheological behavior of powder injection molding feedstock. <i>Materials Characterization</i> , 2014, 94, 19-25.	4.4	15
6	Rheological modeling of strontium ferrite feedstock for magnetic powder injection molding. <i>Powder Technology</i> , 2014, 262, 198-202.	4.2	15
7	Direct numerical simulations of droplet emulsions in sliding bi-periodic frames using the level-set method. <i>Journal of Computational Physics</i> , 2007, 225, 615-634.	3.8	13
8	Effect of sloped die lip geometry on the operability window in slot coating flows using viscocapillary and two-dimensional models. <i>Journal of Coatings Technology Research</i> , 2014, 11, 47-55.	2.5	12
9	Kinetic Spraying Deposition of Reactive-Enhanced Al-Ni Composite for Shaped Charge Liner Applications. <i>Journal of Thermal Spray Technology</i> , 2016, 25, 483-493.	3.1	11
10	Numerical simulations of capillary spreading of a particle-laden droplet on a solid surface. <i>Journal of Materials Processing Technology</i> , 2010, 210, 297-305.	6.3	10
11	Rheological behavior of magnetic powder mixtures for magnetic PIM. <i>Korea Australia Rheology Journal</i> , 2012, 24, 121-127.	1.7	10
12	Effect of shim configuration on internal die flows for non-Newtonian coating liquids in slot coating process. <i>Korea Australia Rheology Journal</i> , 2016, 28, 159-164.	1.7	9
13	Magneto-rheological model for computational analysis of magnetic micro powder injection molding. <i>Computational Materials Science</i> , 2015, 100, 39-44.	3.0	8
14	Effect of upstream meniscus shape on dynamic wetting and operating limits of Newtonian coating liquids in slot coating bead flows. <i>Journal of Coatings Technology Research</i> , 2018, 15, 1067-1076.	2.5	6
15	Modeling and numerical simulation of multilayer die in the multilayer co-extrusion process. <i>Korea Australia Rheology Journal</i> , 2017, 29, 51-57.	1.7	5
16	Dimensionless analysis of three-dimensional residence time distribution in single-screw extrusion processes. <i>Korea Australia Rheology Journal</i> , 2018, 30, 179-188.	1.7	3
17	Transient stresses of two-dimensional model droplet emulsions subjected to simple shear flow by numerical simulations. <i>Korea Australia Rheology Journal</i> , 2011, 23, 163-171.	1.7	2
18	Manufacturing and Evaluating for the Two Layer/Explosive Materials and their Numerical Simulations. <i>Materials Science Forum</i> , 0, 767, 52-59.	0.3	2

#	ARTICLE	IF	CITATIONS
19	A finite-element technique for flows in the single screw extruder using a partial periodic unit. Korea Australia Rheology Journal, 2019, 31, 59-67.	1.7	2
20	NUMERICAL SIMULATION OF VISCOELASTIC EFFECTS ON THE ROD DEFORMATION OF TAYLOR IMPACT TEST. International Journal of Modern Physics B, 2008, 22, 1397-1402.	2.0	1
21	NUMERICAL SIMULATIONS OF DROP DEFORMATION IN A CYLINDRICAL TUBE USING MOVING AND FIXED GRID METHODS. International Journal of Modern Physics B, 2008, 22, 1552-1557.	2.0	0
22	Numerical Study of Die Design for PVC Foam Extrusion. Korea Australia Rheology Journal, 2021, 33, 251-260.	1.7	0
23	Numerical Analysis of Temperature Distribution of the Explosive Material in the Double-Layer Liners. Journal of the Korea Institute of Military Science and Technology, 2016, 19, 202-210.	0.2	0
24	Numerical Analysis of Deformation Characteristics in the Double-Layer Liner According to Explosive Material Distribution. Journal of the Korea Institute of Military Science and Technology, 2016, 19, 618-628.	0.2	0