CITATION REPORT List of articles citing



DOI: 10.1177/073168448400300201 Journal of Reinforced Plastics and Composites, 1984, 3, 98-119

Source: https://exaly.com/paper-pdf/17248791/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper IF	Citations
826	Predicting the Orientation of Short Fibers in Thin Compression Moldings. 1986 , 20, 539-557	78
825	Flow and flow orientation of composites containing anisometric particles. 1986 , 7, 274-282	50
824	Flow induced fiber orientation in an expanding channel tubing dies. 1986 , 26, 468-478	14
823	The Effects of Processing Variables on the Mechanical Properties of Reinforced Thermoplastics. 1986 , 151-204	3
822	Orientation and rheology of rodlike particles with weak Brownian diffusion in a second-order fluid under simple shear flow. 1987 , 26, 217-232	16
821	Van der Pauw measurement of metal fibre orientation in a plastic-metal composite. 1988 , 23, 1425-1430	2
820	A coextrusion process for the manufacture of short-fiber-reinforced thermoplastic pipe. 1988 , 28, 964-973	10
819	The packing of thick fibres. 1989 , 22, 354-360	48
818	Short fiber reinforced thermoplastics. II. Interrelation between fiber orientation and rheological properties of glass fiber-reinforced Noryl. 1989 , 10, 84-91	7
817	Short-fiber-reinforced thermoplastics. Part III: Effect of fiber length on rheological properties and fiber orientation. 1989 , 10, 454-462	24
816	Glass-reinforced Thermosetting Polyester Molding: Materials and Processing. 1989 , 51-109	4
815	Microstructure and Fracture Mechanical Performance of Short-Fibre Reinforced Thermoplastics. 1989 , 6, 189-247	41
814	Analytical solutions for fiber orientation in 2-D flows of dilute suspensions. 1990 , 11, 56-64	3
813	A numerical simulation of short fiber orientation in compression molding. 1990 , 11, 164-173	84
812	Numerical prediction of three-dimensional fiber orientation in Hele-Shaw flows. 1990 , 30, 848-859	68
811	Prediction of fiber orientation in injection molded parts of short-fiber-reinforced thermoplastics. 1990 , 30, 957-966	47
810	Extensional flow of polydisperse fibre suspensions in free-falling liquid jets. 1990 , 16, 545-559	10

809	Prediction of thermoelastic properties in short-fiber composites using image analysis techniques. 1990 , 37, 393-410	17
808	Modeling of Injection Mold Post-Filling: A Review and Some Critical Problems to Solve. 1990 , 9,	7
807	The hydrodynamic stress in a suspension of rods. 1990 , 2, 7-24	239
806	A Review of Fiber-Reinforced Injection Molding: Flow Kinematics and Particle Orientation. 1990 , 3, 275-313	24
805	Fiberfiber interactions in homogeneous flows of nondilute suspensions. 1991 , 35, 1499-1522	81
804	Motion of fluid-suspended fibres in a standing wave field. 1991 , 29, 302-307	18
803	Flow regimes for fiber suspensions in narrow gaps. 1991 , 39, 239-268	133
802	Integrated simulation to predict warpage of injection molded parts. 1991 , 31, 1043-1050	37
801	A constitutive approach for studying concentrated suspensions of rigid fibers in a non - Newtonian Ellis fluid. 1991 , 14, 483-493	2
800	Fiber orientation in simple injection moldings. Part I: Theory and numerical methods. 1992 , 13, 317-331	171
799	Fiber orientation in simple injection moldings. Part II: Experimental results. 1992 , 13, 332-341	134
798	Numerical prediction of fiber orientation in injection molding. 1992 , 32, 254-266	31
797	On the solution of fiber orientation in two-dimensional homogeneous flows. 1992 , 32, 810-822	19
796	Injection molding of unsaturated polyester compounds. 1992 , 32, 1440-1450	9
795	Rheology of semiconcentrated fibre suspension in the Oldroyd-B fluid. 1992 , 8, 295-306	3
794	The motion of rigid rod-like particles suspended in non-homogeneous flow fields. 1992 , 18, 1077-1091	10
793	A simultaneous solution for flow and fiber orientation in axisymmetric diverging radial flow. 1993 , 47, 107-136	50
79 ²	Anisotropic sintering shrinkage in injection-moulded composite ceramics. 1993 , 11, 523-532	22

791	Orientation tensors in simple flows of dilute suspensions of non-Brownian rigid ellipsoids, comparison of analytical and approximate solutions. 1993 , 32, 227-244	14
790	Fiber orientation and mechanical properties of short-fiber-reinforced injection-molded composites: Simulated and experimental results. 1993 , 14, 367-382	167
789	Numerical Simulation of Complex Flows of Semiconcentrated Fiber Suspensions. 1993 , 21, 65-73	1
788	A theory for concentrated fiber suspensions with strong fiber-fiber interactions. 1993 , 68, 291-300	7
787	Fiber Orientation and Weld Strength of Short-Glass-Fiber-Filled Polycarbonate. 1993 , 36, 319-326	
786	Failure of Composites: Stress Concentrations, Cracks and Notches. 1994 , 75-111	
785	Numerical simulation of semi-dilute suspensions of rodlike particles in shear flow. 1994 , 54, 405-421	91
7 ⁸ 4	Modelling the rheological behaviour of fibre suspensions in viscoelastic media. 1994 , 53, 65-81	27
783	Whisker alignment by slip extrusion. 1994 , 177, 269-275	17
782	Material anisotropy and warpage of nylon 66 composites. 1994 , 34, 1411-1418	16
781	Process modelling for manufacture of orthopedic implants from short fiber composites. 1994 , 15, 7-17	3
78o	Numerische Simulation der Faserbewegung beim Strangpressen kurzfaserverst i kter Glasschmelzen. 1994 , 25, 119-124	2
779	Rheology of short-fiber composites: A systematic approach. 1994 , 27, 83-91	13
778	A numerical study of three-dimensional Jeffery orbits in shear flow. 1994 , 38, 1829-1843	23
777	An experimental study of fibre orientation in injection moulded short glass fibre-reinforced polypropylene/polyarylamide composites. 1994 , 25, 147-153	13
776	Numerical simulation of fiber orientation in injection molding of short-fiber-reinforced thermoplastics. 1995 , 35, 604-618	71
775	Dynamic simulation of flow-induced fiber fracture. 1995 , 35, 1022-1030	27
774	Prediction of fiber orientation in the thickness plane during flow molding of short fiber composites. 1995 , 16, 114-124	18

773	Rheology of short fiber filled thermoplastics. 1995 , 16, 144-153	22
772	The effect of material flow on the stress analysis of an SMC component. 1995 , 32, 549-555	3
771	Flow-induced whisker orientation and viscosity for molten composite systems in a uniaxial elongational flow field. 1995 , 36, 3927-3933	44
770	The effect of hydrodynamic interactions on the orientation distribution in a fiber suspension subject to simple shear flow. 1995 , 7, 487-506	109
769	A model for orientational diffusion in fiber suspensions. 1995 , 7, 2086-2088	87
768	Extensional flow of semidilute suspensions of rod-like particles through an orifice. 1995 , 7, 2546-2552	14
767	The Effect of Interaction of Rodlike Particles in Semi-Dilute Suspensions under Shear Flow. 1995 , 64, 3265-3274	22
766	Chemorheological Fundamental Aspects of the SMC Process. 1995 , 4,	
765	Thermoplastics as Engineering Materials: The Mechanics, Materials, Design, Processing Link. 1995 , 117, 448-455	9
764	Orientation changes in a chopped fibre-reinforced thermoplastic composite in compression moulding. 1995 , 6, 281-287	1
763	Recent developments and future trends in injection molding technology. 1996 , 101, 177-184	
762	A deformation tensor model of Brownian suspensions of orientable particles t he nonlinear dynamics of closure models. 1996 , 64, 43-69	10
761	Constitutive equations for fiber suspensions in viscoelastic media. 1996 , 66, 35-54	29
760	Multilayer plug flow modeling of the fast stamping process for a polypropylene/glass fiber composite. 1996 , 17, 231-241	11
759	Coupled analysis of injection molding filling and fiber orientation, including in-plane velocity gradient effect. 1996 , 17, 859-872	62
758	Dynamic simulation of microstructure and rheology of fiber suspensions. 1996 , 36, 2396-2403	40
757	Predicting Warpage of Injection Molded Fiber-Reinforced Plastics. 1996 , 9, 90-106	12
756	Dynamic simulation of flexible fibers composed of linked rigid bodies. 1997 , 106, 2949-2960	95

755 Constitutive Equations Derived From Microstructures. **1997**, 155-270

754	Fiberfiber and fiberWall interactions during the flow of non-dilute suspensions. 1997 , 43-76	3
753	Macroscopic modelling of the evolution of fibre orientation during flow. 1997 , 77-111	6
75 ²	Flow-induced alignment in injection molding of fiber-reinforced polymer composites. 1997 , 112-165	6
751	Fiber Orientation Morphological Layers in Injection Molded Long Fiber Reinforced Thermoplastics. 1997 , 10, 453-475	10
750	Evaluation by torque-rheometer of suspensions of semi-rigid and flexible natural fibers in a matrix of poly(vinyl chloride). 1997 , 18, 549-560	23
749	Effect of compressibility on flow field and fiber orientation during the filling stage of injection molding. 1997 , 70, 83-92	29
748	Structure and properties of sheared fiber suspensions with mechanical contacts. 1997 , 73, 205-239	121
747	Rheological modelling of short fiber thermoplastic composites. 1997 , 73, 241-260	35
746	Investigation of the abrupt contraction flow of fiber suspensions in polymeric fluids. 1997 , 73, 289-316	35
745	Fibre orientation calculation in injection moulding of reinforced thermoplastics. 1997 , 73, 317-326	31
744	Modeling of the mechanical properties of discontinuous-aligned-fiber composites after thermoforming. 1997 , 57, 405-413	13
743	Simulating the Motion of Flexible Pulp Fibres Using the Immersed Boundary Method. 1998 , 147, 147-165	86
742	On the effect of the fiber orientation on the flexural stiffness of injection molded short fiber reinforced polycarbonate plates. 1998 , 19, 640-651	38
741	Modeling warpage in reinforced polymer disks. 1998 , 38, 1072-1084	10
740	A direct simulation of fibre suspensions. 1998 , 74, 113-135	123
739	References. 1998 , 7, 209-228	
738	Computer Assisted Stereology Of Short Fibre Composites, I: Determination Of Fibre Length Distribution. 1999 , 8,	3

(2000-1999)

737	A model to predict the strength of short fiber composites. 1999 , 20, 524-533	51
736	Well-posedness of the problem of fiber suspension flows. 1999 , 83, 205-230	17
735	Thermoviscoelastic simulation of thermally and pressure-induced stresses in injection moulding for the prediction of shrinkage and warpage for fibre-reinforced thermoplastics. 1999 , 84, 159-190	67
734	Simulation of fibre suspension flows by the Brownian configuration field method. 1999 , 84, 257-274	35
733	The rheology of fibre suspensions. 1999 , 87, 369-402	186
73 ²	Viscositlen cisaillement d'un composite fibres courtes □l'Eat fondu. 1999 , 327, 559-565	
731	Pressure drop created by a sphere settling in a tube containing a fiber suspension. 1999 , 43, 1-8	10
730	Modified hybrid closure approximation for prediction of flow-induced fiber orientation. 1999 , 43, 569-589	18
729	Modelling the flow of fiber suspensions in narrow gaps. 1999 , 1347-1398	33
728	Characterization of short glass fiber filled polystyrene by fiber orientation and mechanical properties. 1999 , 148, 211-227	12
727	Glass fibre orientation within injection moulded automotive pedal: Simulation and experimental studies. 2000 , 29, 38-45	13
726	Fiber motion and rheology of suspensions with uniform fiber orientation. 2000 , 38, 1788-1799	10
725	Injectin molding of short fiber reinforced thermoplastics in a center-gated mold. 2000, 21, 51-64	14
724	Processing of short-fiber reinforced polypropylene. I. Influence of processing conditions on the morphology of extruded filaments. 2000 , 40, 11-22	27
723	Simulation of melt spinning including flow-induced crystallization. 2000, 92, 27-66	184
722	Aspects of the thermodynamic stability of fibre suspension flows. 2000 , 92, 135-150	9
721	Stability of the mixing layer of fiber suspensions: role of the closure approximation and off-plane orientation. 2000 , 95, 253-276	6
720	An experimental determination of the stressfhicrostructure relationship in semi-concentrated fiber suspensions. 2000 , 95, 101-133	95

719	Simulation of fibre suspension flow with shear-induced migration. 2000 , 90, 47-63	13
718	Reduction of free shear flows instability: effects of polymer versus fibre additives. 2000 , 91, 233-254	20
717	Rheology of fiber suspensions in viscoelastic media: Experiments and model predictions. 2001 , 45, 945-962	55
716	Polymer Injection Molding: Moldflow. 2001 , 7375-7378	1
715	Modeling: Scaling Analysis. 2001, 5726-5733	
714	Direct simulation of flexible fibers. 2001 , 99, 1-36	95
713	Whisker alignment of TiBAlBV/TiB composites during deformation by transformation superplasticity. 2001 , 17, 317-340	56
712	Finite element analysis of fibre suspension flows. 2001 , 190, 2349-2367	13
711	Improved model of orthotropic closure approximation for flow induced fiber orientation. 2001 , 22, 636-649	82
710	Experimental Validation of Morphology Simulation in Glass Fibre Reinforced Polycarbonate Discs. <i>Journal of Reinforced Plastics and Composites</i> , 2001 , 20, 452-465	7
709	LOCAL AND GLOBAL EXISTENCE OF SOLUTIONS TO EQUATIONS FOR FLOWS OF FIBRE SUSPENSIONS. 2002 , 12, 1177-1203	8
708	Centrifugal instability of semidilute non-Brownian fiber suspensions. 2002 , 14, 1958-1971	16
707	Invariant-based optimal fitting closure approximation for the numerical prediction of flow-induced fiber orientation. 2002 , 46, 169-194	170
706	Short fibers suspension in steady recirculating flows. 2002 , 80, 355-362	2
705	Fiber Suspensions in Complex Geometries: Flow/Orientation Coupling. 2002, 80, 1093-1106	95
704	Numerical Analysis of the Coupling Between the Flow Kinematics and the Fiber Orientation in Eulerian Simulations of Dilute Short Fiber Suspensions Flows. 2002 , 80, 1107-1114	6
703	Numerical Modelling of the Flow of Fibre Suspensions through a Planar Contraction. 2002 , 80, 1115-1125	4
702	Numerical simulation of orientation distribution function of cylindrical particle suspensions. 2002 , 23, 906-912	10

701	Prediction of fiber orientation structure for injection molded short fiber composites. 2002 , 6, 189-197		7
700	Numerical simulation of three-dimensional fiber orientation in short-fiber-reinforced injection-molded parts. 2002 , 124, 366-371		34
699	Viscosity of curved fibers in suspension. 2002 , 102, 1-17		38
698	FolgarIIucker constant for a fibre suspension in a Newtonian fluid. 2002 , 103, 251-260		91
697	Squeeze flow of concentrated long fibre suspensions: experiments and model. 2002 , 104, 165-184		40
696	Viscoelastic mobility problem using a boundary element method. 2002 , 105, 131-152		15
695	Numerical studies of fiber suspensions in an axisymmetric radial diverging flow: the effects of modeling and numerical assumptions. 2002 , 107, 67-96		33
694	Numerical simulation of three-dimensional fiber orientation in injection molding including fountain flow effect. 2002 , 23, 222-238		22
693	A new visualization technique for short fibers in a slit flow of fiber suspensions. 2002 , 40, 1037-1052		27
692	On the structural features of fiber suspensions in converging channel flow. 2003 , 4, 400-6		5
691	Stability analysis in spatial mode for channel flow of fiber suspensions. 2003, 24, 871-879		6
690	The role of the interaction coefficient in the prediction of the fiber orientation in planar injection moldings. 2003 , 24, 358-366		8
689	Using a Finite Volume Approach to Simulate the Mould Filling in Compression Moulding. <i>Journal of Reinforced Plastics and Composites</i> , 2003 , 22, 499-515)	2
688	Designing Fibered Cement Slurries for Lost Circulation Applications: Case Histories. 2003,		11
687	Comportement rhblogique dans des Boulements transitoires en cisaillement simple des polymbes fortement charg en fibres courtes. 2004 , 5, 419-428		
686	Assessing the use of Tensor Closure Methods with Orientation Distribution Reconstruction Functions. 2004 , 38, 1851-1871		29
685	The Effects of Weld Geometry and Glass-fiber-orientation on the Mechanical Performance of Joints - Part II: Kinetics of Glass-fiber-orientation and Mechanical Performance. <i>Journal of Reinforced Plastics and Composites</i> , 2004 , 23, 1687-1694)	4
684	COMPARISON OF RHEOLOGICAL PROPERTIES OF FIBER SUSPENSIONS WITH MODEL PREDICTIONS. 2004 , 24,		23

683	Global Stiffness of a SMC Panel Considering Process Induced Fiber Orientation. <i>Journal of Reinforced Plastics and Composites</i> , 2004 , 23, 37-49	2.9	12
682	Hydrodynamic instability of fiber suspensions in channel flows. 2004 , 34, 251-271		26
681	Numerical predictions of 3-D filler orientation and elastic compliance for reinforced plastics containing fillers with aspect ratio distribution. 2004 , 25, 194-213		17
680	Coupling of flow simulation and structural analysis for glass-filled thermoplastics. 2004 , 25, 343-354		13
679	Rheological properties of short fiber filled polypropylene in transient shear flow. 2004 , 123, 19-32		97
678	Axial deformation behaviour of discontinuous aligned fibre reinforced commingled yarn preforms at thermoforming conditions. 2004 , 64, 1899-1912		1
677	Rheological properties of short fiber model suspensions. 2004 , 48, 1023-1048		80
676	Sixth-Order Fitted Closure Methods for Shot-Fiber Reinforced Polymer Composite Systems. 2004 ,		
675	A Statistical Method to Obtain Material Properties From the Orientation Distribution Function for Short-Fiber Polymer Composites. 2005 , 107		
674	ENEM and model reduction. 2005 , 14, 903-923		О
673	Vortex dynamics of fiber-laden free shear flows. 2005, 127, 73-87		6
672	Review of chaos in the dynamics and rheology of suspensions of orientable particles in simple shear flow subject to an external periodic force. 2005 , 129, 128-142		9
671	Squeeze flow theory and applications to rheometry: A review. 2005 , 132, 1-27		278
670	A model for short-range interactions in fibre suspensions. 2005 , 132, 73-83		35
669	Description and modeling of fiber orientation in injection molding of fiber reinforced thermoplastics. 2005 , 46, 6719-6725		104
668	Simulating particles in Stokes flow. 2005 , 175, 415-427		11
667	On the fiber orientation in steady recirculating flows involving short fibers suspensions. 2005 , 44, 406-	417	17
666	Suspensions of Semiflexible Fibers in Polymeric Fluids: Rheology and Thermodynamics. 2005 , 44, 521-5	35	67

(2006-2005)

665	fiber/polypropylene systems. 2005 , 26, 454-464	32
664	Effects of abrupt expansion geometries on flow-induced fiber orientation and concentration distributions in slit channel flows of fiber suspensions. 2005 , 26, 660-670	11
663	Rheology of fiber filled polymer melts: Role of fiber-fiber interactions and polymer-fiber coupling. 2005 , 45, 385-399	66
662	Fibre orientation: measurement, modelling and knowledge based design. 2005 , 34, 417-424	1
661	Viscosities of liquids and colloidal suspensions with and without an external electric field. 2005 , 22, 18-82	
660	An invariant based fitted closure of the sixth-order orientation tensor for modeling short-fiber suspensions. 2005 , 49, 1091-1115	25
659	Analysis of fibre orientation effects on injection moulded components. 2006 , 220, 1909-1921	5
658	Finite Difference Method. 2006 , 385-451	
657	Modeling of fiberpolymer coupling for suspensions of mono-modal fibers. 2006 , 27, 82-91	1
656	Numerical simulation of fibre suspension flow through an axisymmetric contraction and expansion passages by Brownian configuration field method. 2006 , 61, 4998-5009	18
655	Investigation of closure approximations for fiber orientation distribution in contracting turbulent flow. 2006 , 136, 38-49	20
654	Fibre suspension rheology: effect of concentration, aspect ratio and fibre size 2006 , 45, 315-320	35
653	Melt shear rheology of carbon nanofiber/polystyrene composites. 2006 , 45, 919-941	48
652	Dynamic simulation of arbitrarily shaped particles in shear flow. 2006 , 46, 143-152	8
651	Shear Rheology of Nanofiber Suspensions and Nanofiber/Polymer Melt Composites. 2006, 191-246	
650	Design and Development of a Long Fiber Thermoplastic Bus Seat. 2006 , 19, 131-154	46
649	Preparation and Properties of Porous Alumina Ceramics with Oriented Pores. 2006, 317-318, 689-692	3
648	Sixth-order Fitted Closures for Short-fiber Reinforced Polymer Composites. 2006 , 19, 217-246	13

647	THE EFFECTS OF CLOSURE MODEL OF FIBER ORIENTATION TENSOR ON THE INSTABILITY OF FIBER SUSPENSIONS IN THE TAYLORDOUETTE FLOW. 2007 , 21, 1611-1625	8
646	The stress generated by non-Brownian fibers in turbulent channel flow simulations. 2007 , 19, 115107	36
645	Solution of three-dimensional fiber orientation in two-dimensional fiber suspension flows. 2007 , 19, 113309	11
644	Rotation of a spheroid in a Couette flow at moderate Reynolds numbers. 2007 , 76, 026310	54
643	Characterisation, testing and modelling of nonwoven fabrics. 2007, 401-514	7
642	Simulation of compression moulding to form composites. 2007 , 144-176	
641	The effect of fibre orientation closure approximations on mechanical property predictions. 2007 , 38, 975-982	25
640	Proven Synergistic Approach in Well Cementing Across Thief Zones: East Venezuela. 2007,	Ο
639	An Overview of Polymer Processing Modelling. 2007 , 37-59	3
638	Stress overshoots of organoclay nanocomposites in transient shear flow. 2007 , 141, 167-179	101
638 637	Stress overshoots of organoclay nanocomposites in transient shear flow. 2007 , 141, 167-179 Effect of packing pressure on fiber orientation in injection molding of fiber-reinforced thermoplastics. 2007 , 28, 214-223	101
	Effect of packing pressure on fiber orientation in injection molding of fiber-reinforced	
637	Effect of packing pressure on fiber orientation in injection molding of fiber-reinforced thermoplastics. 2007 , 28, 214-223	22
637	Effect of packing pressure on fiber orientation in injection molding of fiber-reinforced thermoplastics. 2007 , 28, 214-223 Mechanism of fiberhatrix separation in ribbed compression molded parts. 2007 , 28, 451-457 Simulations of fibre orientation in dilute suspensions with front moving in the filling process of a	22
637 636 635	Effect of packing pressure on fiber orientation in injection molding of fiber-reinforced thermoplastics. 2007, 28, 214-223 Mechanism of fiberfhatrix separation in ribbed compression molded parts. 2007, 28, 451-457 Simulations of fibre orientation in dilute suspensions with front moving in the filling process of a rectangular channel using level-set method. 2007, 46, 427-447 Processing, characterisation and rheology of transparent concentrated fibre-bundle suspensions.	22 11 17
637 636 635	Effect of packing pressure on fiber orientation in injection molding of fiber-reinforced thermoplastics. 2007, 28, 214-223 Mechanism of fiberfhatrix separation in ribbed compression molded parts. 2007, 28, 451-457 Simulations of fibre orientation in dilute suspensions with front moving in the filling process of a rectangular channel using level-set method. 2007, 46, 427-447 Processing, characterisation and rheology of transparent concentrated fibre-bundle suspensions. 2007, 46, 639-651	22 11 17 30
637636635634633	Effect of packing pressure on fiber orientation in injection molding of fiber-reinforced thermoplastics. 2007, 28, 214-223 Mechanism of fiberfhatrix separation in ribbed compression molded parts. 2007, 28, 451-457 Simulations of fibre orientation in dilute suspensions with front moving in the filling process of a rectangular channel using level-set method. 2007, 46, 427-447 Processing, characterisation and rheology of transparent concentrated fibre-bundle suspensions. 2007, 46, 639-651 Shear influence on fibre orientation. 2007, 46, 721-729	22 11 17 30 29

629	The rheological modelling of carbon nanotube (CNT) suspensions in steady shear flows. 2008, 1, 83-88	21
628	Numerical simulation of spin coating processes involving functionalised Carbon nanotube suspensions. 2008 , 1, 89-99	10
627	Rheology of carbon nanofiber-reinforced polypropylene. 2008 , 47, 425-433	29
626	A unified model for polystyreneBanorod and polystyreneBanoplatelet melt composites. 2008 , 47, 1061-1076	18
625	Prediction of fiber orientation in a rotating compressing and expanding mold. 2008, 48, 1405-1413	21
624	Linear and nonlinear melt-state viscoelastic properties of polypropylene/organoclay nanocomposites. 2008 , 48, 1240-1249	45
623	Polydomain model predictions of molecular orientation in isothermal channel flows of thermotropic liquid crystalline polymers. 2008 , 48, 2258-2269	6
622	Computational feasibility analysis of direct-adhesion polymer-to-metal hybrid technology for load-bearing body-in-white structural components. 2008 , 195, 282-298	26
621	Computational analysis of injection-molding residual-stress development in direct-adhesion polymer-to-metal hybrid body-in-white components. 2008 , 203, 19-36	16
620	Rheological behavior of fiber-filled polymers under large amplitude oscillatory shear flow. 2008 , 151, 89-100	29
619	Numerical solution of the FokkerPlanck equation for fiber suspensions: Application to the FolgarMuckerLipscomb model. 2008 , 155, 20-29	29
618	Viscosities of liquids, colloidal suspensions, and polymeric systems under zero or non-zero electric field. 2008 , 142, 1-19	20
617	Study of the rotational diffusivity coefficient of fibres in planar contracting flows with varying turbulence levels. 2008 , 34, 894-903	11
616	On the non-linear instability of fiber suspensions in a Poiseuille flow. 2008 , 43, 898-907	5
615	An objective model for slow orientation kinetics in concentrated fiber suspensions: Theory and rheological evidence. 2008 , 52, 1179-1200	181
614	Rheological modeling of carbon nanotube aggregate suspensions. 2008 , 52, 1311-1330	79
613	Process simulation, design and manufacturing of a long fiber thermoplastic composite for mass transit application. 2008 , 39, 1512-1521	65
612	Hybrid Nanoparticle/Microfiber-Filled Injection-Molded Composites. 2008, 47, 485-499	3

611	Orientation Kinetics of Screw-Axial Vibration on Glass Fiber Reinforced Polypropylene Composites. 2008 , 47, 186-198	3
610	RESEARCH ON THE SPECIFIC VISCOSITY OF SEMI-CONCENTRATED FIBER SUSPENSIONS. 2008 , 22, 2857-2868	3
609	STRUCTURE AND PROPERTIES OF CONCENTRATED FIBER SUSPENSIONS IN A SHEAR FLOW. 2008 , 22, 643-659	1
608	Fiber Length and Orientation in Long-Fiber Injection-Molded Thermoplastics [Part I: Modeling of Microstructure and Elastic Properties. 2008 , 42, 1003-1029	64
607	Study on Fiber Weight Fraction Effect on Tensile Modulus of Polystyrene (PS) Composites Reinforced with Short Glass Fiber (SGF) Based on Their Fiber Orientation. 2008 , 47, 427-432	9
606	Elastic Properties of Short-fiber Polymer Composites, Derivation and Demonstration of Analytical Forms for Expectation and Variance from Orientation Tensors. 2008 , 42, 277-308	37
605	A review of the microstructure and rheology of carbon nanotube suspensions. 2008, 222, 71-94	9
604	The Dynamic Behavior of a Concentrated Non-Brownian Glass Fiber Suspension in Simple Shear Flow. 2008 ,	3
603	The orientation of semidilute rigid fiber suspensions in a linearly contracting channel. 2008 , 20, 073303	19
602	Experimental Study and Modeling of Flow Behavior and Orientation Kinetics of Layered Silicate/Polypropylene Nanocomposites in Start-up of Shear Flows. 2008 , 23, 110-118	7
601	Structure and mechanics of nonwovens. 2008 , 116-140	2
600	Structured Fluids. 217-230	
599	Effects of thermal and moisture absorption on contact forces of electronic connectors. 2009, 32, 771-777	
598	Flow Induced Fiber Micro-Structure in Injection Molding of Fiber Reinforced Materials. 2009, 251-272	1
597	Development of Injection Molding Simulation. 2009 , 553-598	7
596	Prediction of the Elastic P lastic Stress/Strain Response for Injection-Molded Long-Fiber Thermoplastics. 2009 , 43, 217-246	31
595	Investigation of the rheological properties of short glass fiber-filled polypropylene in extensional flow. 2009 , 48, 59-72	31
594	Modeling nanocomposites: from rheology to forming processes simulation. 2009 , 2, 141-144	5

(2010-2009)

593	Opportunities and challenges of multiscale modeling and simulation in polymer composite processing. 2009 , 2, 39-44	7
592	Neural network-based closure for modeling short-fiber suspensions. 2009 , 31, NA-NA	10
591	Structure build-up at rest in polymer nanocomposites: Flow reversal experiments. 2009, 47, 1728-1741	13
590	Fiber suspension flow in a tapered channel: The effect of flow/fiber coupling. 2009 , 35, 676-688	26
589	An anisotropic rotary diffusion model for fiber orientation in short- and long-fiber thermoplastics. 2009 , 156, 165-176	212
588	Notched behavior of prepreg-based discontinuous carbon fiber/epoxy systems. 2009 , 40, 289-299	74
587	Thickness optimization of composite plates by Box日 complex method considering the process and material parameters in compression molding of SMC. 2009 , 40, 1192-1198	14
586	Modeling fibre orientation in short fibre suspensions using the neural network-based orthotropic closure. 2009 , 40, 1524-1533	17
585	Obtaining reliable transient rheological data on concentrated short fiber suspensions using a rotational rheometer. 2009 , 53, 1049-1068	14
584	The rheology and modeling of chemically treated carbon nanotubes suspensions. 2009 , 53, 547-573	74
583	Orientation dynamics in multiwalled carbon nanotube dispersions under shear flow. 2009 , 130, 214903	52
582	Modeling fiber interactions in semiconcentrated fiber suspensions. 2009 , 53, 49-72	68
581	Using transient shear rheology to determine material parameters in fiber suspension theory. 2009 , 53, 685-705	37
580	Magnetorheology of fiber suspensions. II. Theory. 2009 , 53, 127-151	61
579	A Systematic Approach for Designing Multifunctional Thermally Conducting Polymer Structures With Embedded Actuators. 2009 , 131,	8
578	Near-wall estimates of the concentration and orientation distribution of a semi-dilute rigid fibre suspension in Poiseuille flow. 2010 , 653, 431-462	23
577	Research on multiphase flows in Thermo-Energy Engineering Institute of Southeast University. 2010 , 36, 119-126	7
576	Dissipative particle dynamics simulations for fibre suspensions in newtonian and viscoelastic fluids. 2010 , 199, 1593-1602	9

575	Simulation of the rheological properties of suspensions of oblate spheroidal particles in a Newtonian fluid. 2010 , 49, 53-73	29
574	Measurements and model predictions of transient elongational rheology of polymeric nanocomposites. 2010 , 49, 105-118	8
573	Dynamic simulation of non-spherical particulate suspensions. 2010 , 49, 597-606	2
572	The orientational behavior of multiwall carbon nanotubes in polycarbonate in simple shear flow. 2010 , 49, 769-780	25
571	Effects of a bent structure on the linear viscoelastic response of diluted carbon nanotube suspensions. 2010 , 49, 1141-1155	18
570	Towards the simulation of mould filling with polymer composites reinforced with mineral fillers and short fibres. 2010 , 3, 1313-1326	16
569	Rheological modeling and forming process simulation of CNT nanocomposites. 2010 , 3, 1327-1338	17
568	Rheology of Polymers with Nanofillers. 2010 , 639-708	8
567	Direct fibre simulation of carbon nanofibres suspensions in a Newtonian fluid under simple shear. 2010 , 347, 183-91	9
566	Shear-induced orientation in polymer/clay dispersions via in situ X-ray scattering. 2010 , 51, 4916-4927	31
565	Fiber orientation kinetics of a concentrated short glass fiber suspension in startup of simple shear flow. 2010 , 165, 110-119	37
564	Transient shear rheology of carbon nanofiber/polystyrene melt composites. 2010 , 165, 98-109	17
563	Comparative numerical study of two concentrated fiber suspension models. 2010 , 165, 764-781	22
562	Analysis of rheological properties of fibre suspensions in a Newtonian fluid by direct fibre simulation. Part1: Rigid fibre suspensions. 2010 , 165, 1055-1063	21
561	Analysis of rheological properties of fiber suspensions in a Newtonian fluid by direct fiber simulation. Part 3: Behavior in uniaxial extensional flows. 2010 , 165, 1682-1687	7
560	A method for direct simulation of flexible fiber suspensions using lattice Boltzmann equation with external boundary force. 2010 , 36, 202-209	47
559	Rheology of fiber reinforced cementitious materials: classification and prediction. 2010 , 40, 226-234	134
558	Bulk and surface molecular orientation distribution in injection-molded liquid crystalline polymers: Experiment and simulation. 2010 , 50, 1864-1877	8

(2011-2010)

557	A systematic approach to obtaining numerical solutions of Jeffery⊠ type equations using Spherical Harmonics. 2010 , 41, 827-835	16
556	Modeling of Fiber Jamming Phenomena during Processing of Fiber Reinforced Composite Parts. 2010 , 425, 31-44	
555	Modelling short fibre polymer reinforcements for composites. 2011 , 616-650	3
554	Structure and Rheology of Fiber Suspensions. 2011 , 113-151	2
553	Fluid Mechanics of Papermaking. 2011 , 43, 195-217	147
552	Irreversible thermodynamics based constitutive theory for fiber suspended polymeric liquids. 2011 , 55, 517-543	5
551	Rotational diffusion may govern the rheology of magnetic suspensions. 2011 , 55, 1297-1318	10
550	Exact tensor closures for the three-dimensional Jeffery's equation. 2011 , 680, 321-335	36
549	Perturbations of the coupled JefferyBtokes equations. 2011 , 681, 622-638	O
548	Simulation of Injection Molding Using a Model with Delayed Fiber Orientation. 2011 , 26, 331-339	12
547	Simulation of fiber reinforced composite materials mold filling process and mechanical properties analysis. 2011 , 166, 1129-1136	3
546	Rheology and processing of suspensions with fiber, disk and magnetic particles. 2011 , 23, 219-226	6
545	Modelling of fibre orientation in fibrous materials. 2011 , 1-11	4
544	Papermaking fibre-suspension flow simulations at multiple scales. 2011 , 71, 55-79	27
543	A priori analysis of a closure model using the reconstruction of the orientation distribution function in flow of fiber suspensions. 2011 , 48, 451-459	11
542	Design and fabrication of miniature compliant hinges for multi-material compliant mechanisms. 2011 , 57, 437-452	25
541	Direct simulations of orientational dispersion of platelet particles in a viscoelastic fluid subjected to a partial drag flow for effective coloring of polymers. 2011 , 23, 173-181	5
540	Nonisothermal transient filling simulation of fiber suspended viscoelastic liquid in a center-gated disk. 2011 , 32, 427-437	7

539	Numerical prediction of flake orientation and surface color in injection molding of flake-pigmented thermoplastics. 2011 , 32, 1297-1303	9
538	Simple tools for fiber orientation prediction in industrial practice. 2011 , 41, 993-1000	126
537	Optimisation of location and dimension of SMC precharge in compression moulding process. 2011 , 89, 1523-1534	12
536	On the orientation probability distribution of flexible fibres in a contracting channel flow. 2011 , 37, 336-345	13
535	The Fast Exact Closure for Jeffery equation with diffusion. 2011 , 166, 343-353	36
534	Stokesian dynamics simulation of the role of hydrodynamic interactions on the behavior of a single particle suspending in a Newtonian fluid. Part 1. 1D flexible and rigid fibers. 2011 , 166, 457-468	9
533	Stokesian Dynamics simulation of the role of hydrodynamic interactions on the behavior of a single particle suspending in a Newtonian fluid. Part 2. 2D flexible and rigid rings. 2011 , 166, 469-477	
532	Transient shear flow behavior of concentrated long glass fiber suspensions in a sliding plate rheometer. 2011 , 166, 884-895	18
531	Rheological Study on Multiple Fiber Suspensions for Fiber Reinforced Composite Materials Processing. 2011 ,	
530	Modeling the behavior of fiber suspensions in the molding of polymer composites. <i>Journal of Reinforced Plastics and Composites</i> , 2011 , 30, 781-790	10
529	Predicting the surface waviness of sheet moulding compound parts by simulating process-induced thermal stresses. 2011 , 31,	2
528	Modeling and Simulation of Fiber Orientation in Injection Molding of Polymer Composites. 2011 , 2011, 1-14	18
527	Numerical Evaluation of Single Fiber Motion for Short-Fiber-Reinforced Composite Materials Processing. 2011 , 133,	17
526	Flake Orientation in Injection Molding of Pigmented Thermoplastics. 2012 , 134,	5
525	Compression molding in polymer matrix composites. 2012 , 47-94	15
524	Anisotropy Development During Processing. 2012 , 263-294	1
523	Finite Element-Based Brownian Dynamics Simulation of Nano-Fiber Suspensions in Nano-Composites Processing Using Monte-Carlo Method. 2012 ,	
522	Injection Molding of Fibre Reinforced Thermoplastics: Integration of Fibre Orientation and Mechanical Properties Computations. 2012 , 27, 547-556	10

521	Numerical study of rotational diffusion in sheared semidilute fibre suspension. 2012, 692, 153-182	10
520	Simulation of flow of short fiber suspensions through a planar contraction. 2012 , 19, 579-584	1
519	Injection molding in polymer matrix composites. 2012 , 15-46	4
518	Orientation of cylindrical particles in gasBolid circulating fluidized bed. 2012 , 10, 89-96	22
517	On the numerical solution of a convection diffusion equation for particle orientation dynamics on geodesic grids. 2012 , 62, 1554-1566	8
516	Effectiveness of recent fiber-interaction diffusion models for orientation and the part stiffness predictions in injection molded short-fiber reinforced composites. 2012 , 43, 1959-1970	20
515	Progress in research of metal fibers air Laid process. 2012 , 27, 775-780	2
514	Superposition approach for description of electrical conductivity in sheared MWNT/polycarbonate melts. 2012 , 6, 438-453	6
513	Molding: Short-Fiber Composites, Flow Processing Adapted from Molding Short-Fiber Composites, Flow Processing, First Edition 2012 , 1	O
512	Microstructure and deformation micromechanisms of concentrated fiber bundle suspensions: An analysis combining x-ray microtomography and pull-out tests. 2012 , 56, 593-623	16
511	Using startup of steady shear flow in a sliding plate rheometer to determine material parameters for the purpose of predicting long fiber orientation. 2012 , 56, 955-981	26
510	Molding: Compression. 2012 , 1	1
509	Effect of dynamical converging channels on fiber organization and damage during vane extrusion of sisal fiber-reinforced polypropylene composites. 2012 , 33, 185-191	27
508	Prediction of fiber orientation in the injection molding of long fiber suspensions. 2012 , 33, 1360-1367	28
507	Molecular orientation distributions during injection molding of liquid crystalline polymers: Ex situ investigation of partially filled moldings. 2012 , 52, 774-786	4
506	Some remarks on fabric overprints and constrictional AMS fabrics in igneous rocks. 2012 , 101, 705-714	21
505	Numerical simulation of the variation of fiber orientation distribution during flow molding of Ultra High Performance Cementitious Composites (UHPCC). 2012 , 34, 208-217	41
504	A study of fiber orientation in short fiber-reinforced composites with simultaneous mold filling and phase change effects. 2012 , 43, 1087-1094	24

503	From Single-Scale to Two-Scales Kinetic Theory Descriptions of Rods Suspensions. 2013 , 20, 1-29	18
502	Mechanics of random discontinuous long-fiber thermoplastics. Part II: Direct simulation of uniaxial compression. 2013 , 57, 1463-1489	18
501	Number Concentration of Cylindrical Particles in a Fluidized Bed. 2013, 21, 94-103	5
500	Phenomenological improvements to predictive models of fiber orientation in concentrated suspensions. 2013 , 57, 1597-1631	85
499	Three-dimensional simulations for the dynamics of dilute colloidal suspensions of ellipsoidal-like particles flowing in the bulk and near solid boundaries. 2013 , 54, 1555-1566	4
498	Study of semidilute fibre suspension rheology with lattice-Boltzmann method. 2013 , 52, 891-902	3
497	Effect of fibrils on curvature- and rotation-induced hydrodynamic stability. 2013, 224, 2249-2261	1
496	A matricial approach of fibre breakage in twin-screw extrusion of glass fibres reinforced thermoplastics. 2013 , 48, 47-56	36
495	Evolution of fibre orientation in radial direction in a center-gated disk: Experiments and simulation. 2013 , 51, 108-117	40
494	Nonlinear disturbance growth during sedimentation in dilute fibre suspensions. 2013 , 719, 268-294	5
493	A model for fiber length attrition in injection-molded long-fiber composites. 2013 , 51, 11-21	76
492	Introduction. 2013 , 1-24	1
491	Microstructure and Morphology Simulation. 2013 , 195-236	
490	Rheological study of two-dimensional very anisometric colloidal particle suspensions: from shear-induced orientation to viscous dissipation. 2013 , 29, 5315-24	22
489	Kinetic Theory Microstructure Modeling in Concentrated Suspensions. 2013, 15, 2805-2832	19
488	Application and evaluation of the method of ellipses for measuring the orientation of long, semi-flexible fibers. 2013 , 34, 390-398	14
487	A Direct Numerical Simulation Method for Flow of Brownian Fiber Suspensions in Complex Geometries. 2013 , 34, 427-440	4
486	Appendices. 2013 , 203-349	3

485	Modified Jeffery model: Influence of particle concentration on mineral fabric in moderately concentrated suspensions. 2013 , 118, 852-861	8
484	Modeling of fiber orientation in viscous fluid flow with application to self-compacting concrete. 2013 ,	
483	Effect of Fiber Orientation on the Mechanical Properties of Long Glass Fiber Reinforced (LGFR) Composites. 2014 ,	5
482	Progress in simulating semi-flexible glass fiber orientation in an injection molded end-gated plaque. 2014 ,	
481	Numerical Simulation of Injection Molding using OpenFOAM. 2014 , 14, 673-674	11
480	How nonmagnetic particles intensify rotational diffusion in magnetorheological fluids. 2014 , 90, 012310	6
479	Simulation of Fiber Orientation in Dumbbell-Shaped Injection Cavity. 2014 , 668-669, 60-63	
478	Preparation of Polypropylene/Sisal Fiber Composites and Study on the Fiber Orientation. 2014 , 989-994, 581-586	2
477	Injection-moulded biocomposites from polylactic acid (PLA) and recycled carbon fibre: Evaluation of mechanical and thermal properties. 2014 , 27, 1286-1300	14
476	Rheological modeling of carbon nanotube suspensions with rodfod interactions. 2014 , 60, 1476-1487	19
475	Preparation and mechanical properties of pithecellobium clypearia benth fibre/polypropylene composites processed by vane extruder. <i>Journal of Reinforced Plastics and Composites</i> , 2014 , 33, 150-165 ^{2.9}	2
474	Measuring deformation and mechanical properties of weld lines in short fibre reinforced thermoplastics using digital image correlation. 2014 , 36, 44-53	16
473	Friction factor and heat transfer of nanofluids containing cylindrical nanoparticles in laminar pipe flow. 2014 , 116, 133513	14
472	Scalable alignment and transfer of nanowires in a Spinning Langmuir Film. 2014 , 6, 11976-80	9
471	Dynamics of non-Brownian fiber suspensions under periodic shear. 2014 , 10, 6722-31	8
470	Rheological properties of dilute suspensions of rigid and flexible fibers. 2014 , 212, 36-46	17
469	Numerical study of distribution and orientation of fibers during the injection of thermoplastic composites. <i>Journal of Reinforced Plastics and Composites</i> , 2014 , 33, 1696-1703	4
468	Magnetorheological effect in the magnetic field oriented along the vorticity. 2014 , 58, 1829-1853	9

467	Mechanics and Model-Based Control of Advanced Engineering Systems. 2014,	3
466	Rheology of non-Brownian suspensions. 2014 , 5, 203-28	137
465	On the use of interaction tensors to describe and predict rod interactions in rod suspensions. 2014 , 53, 445-456	22
464	Continuum Model for the Phase Behavior, Microstructure, and Rheology of Unentangled Polymer Nanocomposite Melts. 2014 , 47, 4493-4513	23
463	Numerical modelling of non-isothermal flow of fibre suspensions: prediction of fibre orientation in three-dimensional cavities. 2014 , 9, 247	3
462	Measurement and numerical prediction of fiber-reinforced thermoplastics' thermal conductivity in injection molded parts. 2014 , 131, $n/a-n/a$	3
461	Coupling of injection molding process to mechanical properties of short fiber composites: A through process modeling approach. <i>Journal of Reinforced Plastics and Composites</i> , 2015 , 34, 1963-1978 ^{2.9}	6
460	A validation of the fibre orientation and fibre length attrition prediction for long fibre-reinforced thermoplastics. 2015 ,	6
459	On the multi-scale description of electrical conducting suspensions involving perfectly dispersed rods. 2015 , 2,	4
458	Principal strain-induced fiber orientation evolution in the Csf/Mg composites with a large deformation. 2015 , 49, 3229-3240	
457	Rheological Modeling of Non-dilute Rod Suspensions. 2015 , 77-117	3
456	Introduction to Suspension Rheology. 2015 , 1-17	
455	Numerical prediction of flow induced fibers orientation in injection molded polymer composites. 2015 , 100, 012066	2
454	Rheology of Highly Concentrated Fiber Suspensions. 2015 , 119-166	5
453	Towards a Kinetic Theory Description of Electrical Conduction in Perfectly Dispersed CNT Nanocomposites. 2015 , 167-202	
452	Prediction and Validation of Short Fiber Orientation in a Complex Injection Molded Part with Chunky Geometry. 2015 , 30, 366-380	38
451	Finite Element-Based Brownian Dynamics Simulation of Nanofiber Suspensions Using Monte Carlo Method1. 2015 , 3,	О
450	Short Glass Fiber Reinforced PA6 Materials for Automotiv Applications l'Assessment Aging Behavior with Methods of Polymer Diagnostics. 2015 , 825-826, 19-27	

449	Rheo-optical response of carbon nanotube suspensions. 2015 , 59, 499-524	10
448	Measurement and quantitative analysis of fiber orientation distribution in long fiber reinforced part by injection molding. 2015 , 42, 168-174	28
447	Textures and melt-crystal-gas interactions in granites. 2015 , 6, 635-663	33
446	Influence of fiber concentration on the startup of shear flow behavior of long fiber suspensions. 2015 , 222, 163-170	14
445	Fiber orientation in the frontal region of a center-gated disk: Experiments and simulation. 2015 , 216, 31-44	20
444	Shear flow-induced orientation and structural recovery of multiwalled carbon nanotube in poly(ethylene oxide) matrix. 2015 , 132, n/a-n/a	10
443	A Second-Gradient Theory of Dilute Suspensions of Flexible Rods in a Newtonian Fluid. 2015 , 22, 511-527	15
442	On the multiscale description of dilute suspensions of non-Brownian rigid clusters composed of rods. 2015 , 222, 34-44	21
441	Two-scale structural mechanical modeling of long fiber reinforced thermoplastics. 2015 , 117, 159-167	23
440	Modeling of fiber orientation in viscous fluid flow with application to self-compacting concrete. 2015 , 154, 91-100	10
439	The effect of shear flow on the rotational diffusion of a single axisymmetric particle. 2015 , 772, 42-79	20
438	Rheological modeling of suspensions of fibrous nanoparticles in polymeric viscoelastic media. 2015 , 223, 240-248	1
437	Direct simulation of concentrated fiber suspensions subjected to bending effects. 2015 , 23, 055007	14
436	Coupling of Mold Flow Simulations with Two-Scale Structural Mechanical Simulations for Long Fiber Reinforced Thermoplastics. 2015 , 825-826, 655-662	3
435	Fiber orientation during casting of UHPFRC: electrical resistivity measurements, image analysis and numerical simulations. 2015 , 48, 947-957	15
434	Quantitative characterization of the fiber orientation variation in the Csf/Mg composites. 2015, 98, 56-63	4
433	. 2016,	10
432	Influence of the Initial Fiber Orientation on the Weld Strength in Welding of Glass Fiber Reinforced Thermoplastics. 2016 , 2016, 1-16	7

431	Improvement in Predicting the Post-Cracking Tensile Behavior of Ultra-High Performance Cementitious Composites Based on Fiber Orientation Distribution. 2016 , 9,	15
430	Influence of the Doctor Blade Shape on Tape CastingLomparison Between Analytical, Numerical, and Experimental Results. 2016 , 99, 3233-3240	11
429	Dissipative Particle Dynamics Models of Orientation of Weakly-Interacting Anisometric Silicate Particles in Polymer Melts under Shear Flow: Comparison with the Standard Orientation Models. 2016 , 25, 287-302	12
428	Two-dimensional long-flexible fiber simulation in simple shear flow. 2016 , 37, 2425-2433	6
427	Effects of fiber orientation on the electrical conductivity of filled plastic melt. 2016,	1
426	Evaluating Rigid and Semi-Flexible Fiber Orientation Evolution Models in Simple Flows. 2016,	
425	Simulation of Long Semi-Flexible Fiber Orientation During Injection Molding. 2016,	
424	3D modelling of squeeze flow of unidirectional and fabric composite inserts. 2016 ,	1
423	Anisotropic mechanical behavior of an injection molded short fiber reinforced thermoplastic. 2016,	1
422	An objective tensor to predict anisotropic fiber orientation in concentrated suspensions. 2016 , 60, 215-224	72
421	Normal stress differences in non-Brownian fiber suspensions. 2016 , 60, 661-671	8
420	Application of a generalized Oldroyd model to a suspension of spheroids subject to Brownian rotations. 2016 , 60, 1211-1226	1
419	The effect of shear-thinning behaviour on rod orientation in filled fluids. 2016, 798, 350-370	19
418	Modeling interactions in carbon nanotube suspensions: Transient shear flow. 2016 , 60, 1069-1083	7
417	Apparent yield stress in rigid fibre suspensions: the role of attractive colloidal interactions. 2016 , 802, 611-633	10
416	Fiber orientation evolution in simple shear flow from a repeatable initial fiber orientation. 2016 , 237, 65-75	15
415	Second-gradient modelling of orientation development and rheology of dilute confined suspensions. 2016 , 237, 54-64	11

(2016-2016)

413	08, 1650016	9
412	Orientation kinematics of short fibres in a second-order viscoelastic fluid. 2016 , 55, 397-409	15
411	Galerkin-Spektralverfahren f⊞die Fokker-Planck-Gleichung. 2016 ,	
410	Experimental observation and modeling of fiber rotation and translation during foam injection molding of polymer composites. 2016 , 88, 67-74	43
409	Study on two-way coupling of gasBolid two-phase flow of cylindrical particles. 2016 , 300, 136-145	9
408	Optimizing the design of horizontal-axis small wind turbines: From the laboratory to market. 2016 , 154, 58-68	32
407	3D real-time and in situ characterisation of fibre kinematics in dilute non-Newtonian fibre suspensions during confined and lubricated compression flow. 2016 , 134, 258-266	17
406	A semi-implicit material point method for the continuum simulation of granular materials. 2016 , 35, 1-13	58
405	A statistical treatment of the loss of stiffness during cyclic loading for short fiber reinforced injection molded composites. 2016 , 103, 40-50	12
404	Multilevel Computational Model for Failure Analysis of Steel-Fiber R einforced Concrete Structures. 2016 , 142, 04016090	43
403	Orientation of Anisometric Layered Silicate Particles in Uncompatibilized and Compatibilized Polymer Melts Under Shear Flow: A Dissipative Particle Dynamics Study. 2016 , 25, 85-98	15
402	Simulation study for prediction of short Fiber Orientation reinforced thermoplastics. 2016 , 3, 2891-2897	1
401	Analysis of the Folgar & Tucker model for concentrated fibre suspensions in unconfined and confined shear flows via direct numerical simulation. 2016 , 91, 388-397	15
400	Confined kinematics of suspended rigid fibres. 2016,	1
399	Investigating polydisperse suspensions involving fibres of very different aspect ratio: From direct numerical simulations to Folgar & Tucker modelling. 2016 ,	
398	Modelling particle migration in rod suspensions: From micro-mechanics to a macroscopic field description. 2016 ,	
397	Numerical simulation of fiber interaction in short-fiber injection-molded composite using different cavity geometries. 2016 ,	
396	Nanofibril Alignment in Flow Focusing: Measurements and Calculations. 2016 , 120, 6674-86	26

395	Effects of extrudate swell and nozzle geometry on fiber orientation in Fused Filament Fabrication nozzle flow. 2016 , 12, 252-264	83
394	The shear viscosity of carbon fibre suspension and its application for fibre length measurement. 2016 , 55, 1-10	8
393	Primary Study of a Settling Fiber Particle in a Particle Cloud. 2016 , 203, 1139-1144	2
392	Flow and heat transfer characteristics of nanofluids containing rod-like particles in a turbulent pipe flow. 2016 , 93, 57-66	25
391	Development of RVE-embedded solid elements model for predicting effective elastic constants of discontinuous fiber reinforced composites. 2016 , 93, 109-123	41
390	A multi-scale description of orientation in simple shear flows of confined rod suspensions. 2016 , 233, 61-74	18
389	Efficient algorithms for constraining orientation tensors in Galerkin methods for the FokkerPlanck equation. 2016 , 71, 1059-1073	2
388	Experimental and Numerical Investigation of Shrinkage and Warpage of a U-Shaped Injection Molded Part. 2016 , 31, 68-81	3
387	Micro-mechanics of electrostatically stabilized suspensions of cellulose nanofibrils under steady state shear flow. 2016 , 12, 1721-35	26
386	Dynamic simulation of discrete fiber motion in fiber-reinforced composite materials processing. 2016 , 50, 1301-1319	4
385	Through Process Modeling Approach: Effect of Microstructure on Mechanical Properties of Fiber Reinforced Composites. 2016 , 421-430	1
384	Evaluating Rigid and Semiflexible Fiber Orientation Evolution Models in Simple Flows. 2017, 139,	13
383	Numerical prediction of fiber orientation and mechanical performance for short/long glass and carbon fiber-reinforced composites. 2017 , 144, 51-56	39
382	Numerical investigation of three-dimensional fiber suspension flow by using finite volume method. 2017 , 74, 4393-4414	
381	Micro- and macroscopic design of alumina ceramics by robocasting. 2017 , 37, 3115-3124	30
380	Improved fiber orientation predictions for injection molded fiber composites. 2017 , 99, 65-75	29
379	Characterization of thermal conductivity in polymer composite heat exchanger parts. 2017,	
378	Rheological Behavior of Molten Polymers. 2017 , 33-175	3

(2017-2017)

377	Study on the two-way coupling turbulent model and rheological properties for fiber suspension in the contraction. 2017 , 246, 1-9	5
376	Numerical and Experimental Validation of Natural Fiber Orientation in Viscous Fluid of Injection Cavity. 2017 , 14, 634-644	2
375	Steady-shear rheological properties for suspensions of axisymmetric particles in second-order fluids. 2017 , 239, 62-72	12
374	Structural elements made with highly flowable UHPFRC: Correlating computational fluid dynamics (CFD) predictions and non-destructive survey of fiber dispersion with failure modes. 2017 , 133, 151-171	12
373	Measuring fibre orientation in sisal fibre-reinforced, injection moulded polypropylene iPros and cons of the experimental methods to validate injection moulding simulation. 2017 , 95, 54-64	20
372	From dilute to entangled fibre suspensions involved in the flow of reinforced polymers: A unified framework. 2017 , 250, 8-17	4
371	Study on laminar flow containing fibre particles in a stirred tank using DPIV. 2017, 320, 420-427	5
370	A rheological constitutive model for semiconcentrated rod suspensions in Bingham fluids. 2017 , 29, 073103	15
369	Numerical simulation and visualization of fiber suspension in a turbulent round jet. 2017 , 38, 1651-1662	5
368	Simplified bead-chain model for direct fiber simulation in viscous flow. 2017 , 250, 52-58	16
367	Obtaining short-fiber orientation model parameters using non-lubricated squeeze flow. 2017 , 29, 121608	8
366	A physically-based fractional diffusion model for semi-dilute suspensions of rods in a Newtonian fluid. 2017 , 51, 58-67	7
365	Tensile behaviour of uncured sheet moulding compounds: Rheology and flow-induced microstructures. 2017 , 101, 459-470	3
364	Modelling the effect of process-induced anisotropy on the constitutive behavior of chopped fiber composites. 2017 , 101, 334-343	3
363	Flow-induced anisotropic viscosity in short FRPs. 2017 , 3,	20
362	The sequential addition and migration method to generate representative volume elements for the homogenization of short fiber reinforced plastics. 2017 , 59, 247-263	50
361	Experimental investigation of fibre particles in a turbulent stirred tank with DPIV. 2017, 316, 329-337	5
360	Injection Overmolding of Polymer™etal Hybrid Structures. 2017 , 277-305	3

359	Topology Optimization for Injection Molding of Short Fiber-Reinforced Plastics. 2017 , 17, 337-338	1
358	Other Plastics Processes. 2017 , 171-201	1
357	The Effect of Partitioning on the Clustering Index of Randomly-Oriented Fiber Composites: A Parametric Study. 2017 , 380, 232-241	3
356	Enhancement of Accuracy of Automotive Crash Analysis for Plastic Material Parts. 2017, 44, 41-48	
355	Experimental and Numerical Analysis of Fiber Matrix Separation during Compression Molding of Long Fiber Reinforced Thermoplastics. 2017 , 1, 2	18
354	Mathematical Modeling and Optimization of Injection Molding of Plastics. 2017,	1
353	From dilute to entangled fiber suspensions involved in reinforced polymers and composites. 2017,	2
352	Progressive failure prediction of short fiber reinforced composites using a multi-scale approach. 2018 , 52, 3785-3801	7
351	Development of the layered structure in a double-gated glass fiber-reinforced polypropylene injection molding: Experimental and simulated results. <i>Journal of Reinforced Plastics and Composites</i> , 2018 , 37, 945-959	3
350	Coupling anisotropic viscosity and fiber orientation in applications to squeeze flow. 2018 , 62, 669-679	25
349	Rheology of fiber suspensions using MRI. 2018 , 121, 34003	
348	Constitutive Theory of fiber suspensions. 2018 , 253, 27-35	2
347	Fused filament fabrication of fiber-reinforced polymers: A review. 2018 , 21, 1-16	272
346	Modelling transport and deposition of non-spherical micro- and nano-particles in composites manufacturing. <i>Journal of Reinforced Plastics and Composites</i> , 2018 , 37, 507-519	3
345	Fiber Orientation Effects in Fused Filament Fabrication of Air-Cooled Heat Exchangers. 2018, 70, 298-302	11
344	The use of principal spatial tensor to predict anisotropic fiber orientation in concentrated fiber suspensions. 2018 , 62, 313-320	20
343	Multiscale finite element modeling of sheet molding compound (SMC) composite structure based on stochastic mesostructure reconstruction. 2018 , 188, 25-38	31
342	Generation of 3D representative volume elements for heterogeneous materials: A review. 2018 , 96, 322-384	165

(2018-2018)

341	Fiber orientation distribution and rheological properties of fiber suspension in a turbulent jet. 2018 , 30, 55-63	3
340	Turbulent stress measurements of fibre suspensions in a straight pipe. 2018 , 30, 025104	4
339	Modeling and Optimization of the Injection-Molding Process: A Review. 2018 , 37, 429-449	52
338	Convective Heat Transfer and Resistance Characteristics of Nanofluids with Cylindrical Particles. 2018 , 39, 526-535	4
337	Accurate predictions of orientation dependent modulus in short-fiber-reinforced composite with experimental validation. 2018 , 39, 2847-2859	8
336	Accurate predictions of fiber orientation and mechanical properties in long-fiber-reinforced composite with experimental validation. 2018 , 39, 3434-3445	7
335	Effect of the packing stage on fiber orientation for injection molding simulation of fiber-reinforced composites. 2018 , 31, 1204-1218	5
334	Two dimensional long-flexible fiber orientation simulation in squeeze flow. 2018 , 39, 4656-4665	5
333	SIMP Based Topology Optimization for Injection Molding of SFRPs. 2018, 850-861	2
332	Process-induced fiber matrix separation in long fiber-reinforced thermoplastics. 2018 , 105, 321-333	18
331	The rheology of drilling fluids from a non-equilibrium thermodynamics perspective. 2018, 165, 1010-1020	15
330	The use of shear-rate-dependent parameters to improve fiber orientation predictions for injection molded fiber composites. 2018 , 104, 81-88	10
329	Flexible Fiber Motion in Fiber-Reinforced Composite Material Processing. 2018,	
328	Planar and Orthotropic Closures for Orientation Tensors in Fiber Suspension Flow Models. 2018 , 78, 3040-3059	4
327	A new anisotropic viscous constitutive model for composites molding simulation. 2018 , 115, 112-122	34
326	Simulation of prepreg platelet compression molding: Method and orientation validation. 2018, 62, 1443-1455	16
325	Smoothed particle hydrodynamics (SPH) modeling of fiber orientation in a 3D printing process. 2018 , 30, 103103	35
324	Nonlinear viscoelasticity of a dilute suspension of Brownian spheroids in oscillatory shear flow. 2018 , 62, 1457-1483	3

323	Impact and energy absorption of long fiber-reinforced thermoplastic based on two-phase modeling and experiments. 2018 , 122, 374-383	10
322	Optimization of Fiber Orientation Model Parameters in the Presence of Flow-Fiber Coupling. 2018 , 2, 73	5
321	Numerical Research on Convective Heat Transfer and Resistance Characteristics of Turbulent Duct Flow Containing Nanorod-Based Nanofluids. 2018 , 2018, 1-9	1
320	Stochastic reconstruction and microstructure modeling of SMC chopped fiber composites. 2018 , 200, 153-164	15
319	Fiber Orientation Control. 2018, 303-324	
318	Numerical Investigations of Fiber Orientation Models for Injection Molded Long Fiber Composites. 2018 , 33, 543-552	4
317	Numerical Predictions of Fiber Orientation for Injection Molded Rectangle Plate and Tensile Bar with Experimental Validations. 2018 , 33, 96-105	22
316	The effect of tension compression asymmetry on modelling the bending response of sheet moulding compound composites. 2018 , 154, 157-165	5
315	Size-Dependent Orientational Dynamics of Brownian Nanorods. 2018, 7, 1022-1027	18
314	Numerical simulation of the injection molding process of short fiber composites by an integrated particle approach. 2018 , 97, 3479-3491	9
313	Simulative Prediction of Fiber-Matrix Separation in Rib Filling During Compression Molding Using a Direct Fiber Simulation. 2018 , 2, 2	14
312	Simulation of Reinforced Reactive Injection Molding with the Finite Volume Method. 2018 , 2, 5	8
311	Fibre Length Reduction in Natural Fibre-Reinforced Polymers during Compounding and Injection Moulding Experiments Versus Numerical Prediction of Fibre Breakage. 2018 , 2, 20	8
310	Prediction of the Fiber Orientation State and the Resulting Structural and Thermal Properties of Fiber Reinforced Additive Manufactured Composites Fabricated Using the Big Area Additive Manufacturing Process. 2018 , 2, 26	29
309	Multiscale Control of Nanocellulose Assembly: Transferring Remarkable Nanoscale Fibril Mechanics to Macroscale Fibers. 2018 , 12, 6378-6388	230
308	Predictions of fiber concentration in injection molding simulation of fiber-reinforced composites. 2018 , 31, 1529-1544	9
307	Process-Induced Fiber Orientation in Fused Filament Fabrication. 2018 , 2, 45	25
306	Multi-objective optimization of an automotive body component with fiber-reinforced composites. 2018 , 58, 2203-2217	8

305	Gas distribution characteristics for heterogeneous flows in the slender particle-containing scrubbingBooling chamber of an entrained-flow gasifier. 2018 , 136, 358-370	2
304	Numerical simulation and analysis of the dynamic finite element model of the fiber motion in the air spinning process. 2019 , 89, 1198-1206	2
303	Lifetime assessment of anisotropic materials by the example short fibre reinforced plastic. 2019 , 120, 294-302	7
302	Sequential kriging-based closure approximations for flow-induced fiber orientation and prediction of composite stiffness. 2019 , 40, 1748-1761	3
301	On the multi-scale description of micro-structured fluids composed of aggregating rods. 2019 , 31, 955-967	
300	Shear reversal experiments on concentrated rigid fiber suspensions. 2019 , 63, 785-798	4
299	Analysis and Evaluation of Fiber Orientation Reconstruction Methods. 2019 , 3, 67	11
298	Microstructural analysis of short glass fiber reinforced thermoplastics based on x-ray micro-computed tomography. 2019 , 183, 107752	25
297	CAE for Advanced Injection Molding Technologies. 2019 , 235-316	1
296	Physics-Compatible Finite Element Methods for Scalar and Tensorial Advection Problems. 2019,	4
295	Fibre kinematics in dilute non-Newtonian fibre suspensions during confined and lubricated squeeze flow: Direct numerical simulation and analytical modelling. 2019 , 273, 104187	6
294	An adaptation of the Lewis-Nielsen equations for the thermal conductivity of short fiber reinforced hybrid composites. 2019 , 21, 100632	1
293	Fiber motion in highly confined flows of carbon fiber and non-Newtonian polymer. 2019, 265, 41-52	18
292	Analysis of anisotropic rotary diffusion models for fiber orientation. 2019 , 126, 105605	16
291	Construction of Aerospace Bracket Manufactured from Short-Reinforced Composite. 2019,	1
290	NonwovensBtructure-process-property relationships. 2019 , 109-143	
289	Numerical analysis of screw swirling effects on fiber orientation in large area additive manufacturing polymer composite deposition. 2019 , 177, 107284	11
288	Carbon fibre sheet moulding compounds with high in-mould flow: Linking morphology to tensile and compressive properties. 2019 , 126, 105600	21

287	The use of informed isotropic constitutive equation to simulate anisotropic rheological behaviors in fiber suspensions. 2019 , 63, 263-274	37
286	Fiber migration in shear flow: Model predictions and experimental validation. 2019 , 40, 3573-3581	4
285	Effects of Water Reducing Admixture on Rheological Properties, Fiber Distribution, and Mechanical Behavior of UHPFRC. 2019 , 9, 29	5
284	Microstructure control of highly oriented short carbon fibres in SiC matrix composites fabricated by direct ink writing. 2019 , 45, 17262-17267	18
283	Three-dimensional modeling of the distribution and orientation of steel fibers during the flow of self-compacting concrete. 2019 , 20, 1722-1733	5
282	Injection molding simulation of short fiber reinforced thermosets with anisotropic and non-Newtonian flow behavior. 2019 , 124, 105476	14
281	Orientation Development During Processing of Nanocomposite Polymers. 2019 , 297-312	1
280	Responses of microstructure and texture of phase to boron addition in Ti-40Al-8Nb-xB alloys modified by hot deformation above the Itransus. 2019 , 153, 148-156	3
279	A model incorporating the effects of flow type on fiber orientation for flows with mixed flow kinematics. 2019 , 63, 455-464	5
278	Fatigue life assessment of a Short Fibre Reinforced Thermoplastic at high temperature using a Through Process Modelling in a viscoelastic framework. 2019 , 124, 236-244	5
277	Coupled flow and fiber orientation analysis for 3D injection molding simulations of fiber composites. 2019 ,	3
276	Numerical analysis of the motion of a single fiber interacting with a solid wall in a wall-bounded shear flow. 2019 , 267, 51-60	3
275	Effect of rotational diffusion of anisotropic particles on the stability of a suspension shear flow. 2019 , 51, 035507	1
274	Fiber suspension in 2D nonhomogeneous flow: The effects of flow/fiber coupling for Newtonian and power-law suspending fluids. 2019 , 63, 405-418	15
273	A new anisotropic flow simulation for compression molding of glass-mat thermoplastics. 2019,	2
272	Kriging-based orthotropic closure for flow-induced fiber orientation and the part stiffness predictions with experimental investigation. 2019 , 40, 3844-3856	2
271	Flow characteristics of a thermoset fiber composite photopolymer resin in a vat polymerization additive manufacturing process. 2019 ,	3
270	Flow-Fiber Coupled Viscosity in Injection Molding Simulations of Short Fiber Reinforced Thermoplastics. 2019 , 34, 158-171	9

Simulation of Sheet Molding Compound (SMC) and Long Fiber-Reinforced Thermoplastics (LFTP). 269 2019, 151-248 Compression Molding of the Demonstrator Structure. 2019, 297-314 268 Designing CoDiCoFRP Structures. 2019, 249-296 267 Effect of the injection moulding fibre orientation distribution on the fatigue life of short glass fibre 266 reinforced plastics for automotive applications. 2019, 85, 255-260 Computational Manufacturing for Multi-Material Lightweight Parts. 2019, 85, 102-107 265 2 Numerical simulation and modeling of the die swell for fiber suspension flows. 2019, 274, 104205 264 15 The use of flow type dependent strain reduction factor to improve fiber orientation predictions for 263 4 an injection molded center-gated disk. **2019**, 31, 123105 A smoothed particle hydrodynamics simulation of fiber-filled composites in a non-isothermal 262 11 three-dimensional printing process. **2019**, 31, 123102 Advances in the development of wheat dough and bread by means of shearing. 2019, 247, 136-143 261 2 3D Printed Disposable Wireless Ion Sensors with Biocompatible Cellulose Composites. 2019, 5, 1800778 260 Indirect morphological analysis of particles in polymer particle composites via non-destructive 259 1 permittivity measurements. 2019, 169, 176-185 Efficient bead-chain model for predicting fiber motion during molding of fiber-reinforced 258 10 thermoplastics. **2019**, 264, 135-143 Planar deposition flow modeling of fiber filled composites in large area additive manufacturing. 257 35 2019, 25, 227-238 Computational modeling of fiber flow during casting of fresh concrete. 2019, 63, 1111-1129 256 11 Prediction for the mechanical property of short fiber-reinforced polymer composites through 6 255 process modeling method. 2019, 32, 1525-1546 Multi-scale modelling and analysis of strain rate dependent behaviour for long fibre reinforced 254 thermoplastic based on X-ray computed tomography. 2019, 233, 1307-1317 Estimation of fiber orientation and length distribution in cashmere fibrous assemblies. 2019, 89, 1084-1093 253 3 The effect of fiber concentration on fiber orientation in injection molded film gated rectangular 252 26 plates. 2019, 40, 615-629

251	Fiber orientation prediction in nylon-6 glass fiber composites using transient rheology and 3-dimensional x-ray computed tomography. 2019 , 40, E392	5
250	Study the effects of nanofiber on the polymer chain orientation using molecular dynamic in the circular duct flow. 2019 , 59, 15-21	
249	Comparison of recent fiber orientation models in injection molding simulation of fiber-reinforced composites. 2020 , 33, 35-52	12
248	Modelling the effect of particle inertia on the orientation kinematics of fibres and spheroids immersed in a simple shear flow. 2020 , 79, 539-554	1
247	A simulative overview on fiber predictions models for discontinuous long fiber composites. 2020 , 41, 73-81	5
246	Advanced modeling and simulation of sheet moulding compound (SMC) processes. 2020 , 13, 675-685	2
245	Random walk methods for Monte Carlo simulations of Brownian diffusion on a sphere. 2020 , 364, 124670	2
244	A generalized distribution function of fiber orientation for injection molded composites. 2020 , 188, 107999	2
243	Investigation on the Fiber Orientation Distributions and Their Influence on the Mechanical Property of the Co-Injection Molding Products. 2019 , 12,	7
242	Transient viscosity of fibre-filled composites incorporating evolution of fibre orientation and concentration. 2020 , 59, 35-46	2
241	Bead optimization in long fiber reinforced polymer structures: Consideration of anisotropic material properties resulting from the manufacturing process. 2020 , 149, 102891	3
240	Whisker orientation controls wear of 3D-printed epoxy nanocomposites. 2020 , 36, 101515	4
239	Particle-level simulation for the prediction of short fiber orientation in injection molding. 2020 , 139, 106115	6
238	Analysis of carbon fiber alignment in a polydimethylsiloxane matrix flowing in an orifice channel. 2020 , 317, 113978	2
237	Direct Fiber Simulation of a Compression Molded Ribbed Structure Made of a Sheet Molding Compound with Randomly Oriented Carbon/Epoxy Prepreg Strands Comparison of Predicted Fiber Orientations with Computed Tomography Analyses. 2020 , 4, 164	2
236	A Force-Balanced Fiber Retardation Model to Predict Fiber-Matrix-Separation during Polymer Processing. 2020 , 4, 165	O
235	Axisymmetric flow simulations of fiber suspensions as described by 3D probability distribution function. 2020 , 284, 104367	3
234	Numerical study of the effects of nanorod aspect ratio on Poiseuille flow and convective heat transfer in a circular minichannel. 2020 , 24, 1	1

(2020-2020)

233	Fiber Orientation Distribution Predictions for an Injection Molded Venturi-Shaped Part Validated Against Experimental Micro-Computed Tomography Characterization. 2020 , 7,		1	
232	A Flow-Dependent Fiber Orientation Model. 2020 , 4, 96		5	
231	Significance of Model Parameter Variations in the pARD-RSC Model. 2020 , 4, 109		0	
230	Metamodelling of the Correlations of Preform and Part Performance for Preform Optimisation in Sheet Moulding Compound Processing. 2020 , 4, 122		0	
229	Measuring Fiber Length in the Core and Shell Regions of Injection Molded Long Fiber-Reinforced Thermoplastic Plaques. 2020 , 4, 104		1	
228	A Practical Method for Animating Anisotropic Elastoplastic Materials. 2020 , 39, 89-99		5	
227	Integrated computational product and production engineering for multi-material lightweight structures. 2020 , 110, 2551-2571		9	
226	Investigation on the Coupling Effects between Flow and Fibers on Fiber-Reinforced Plastic (FRP) Injection Parts. 2020 , 12,		2	
225	A smoothed particle hydrodynamics study of a non-isothermal and thermally anisotropic fused deposition modeling process for a fiber-filled composite. 2020 , 32, 053106		8	
224	Continuum Thermodynamics and Constitutive Theory. 2020,		2	
223	Mechanical anisotropy in polymer composites produced by material extrusion additive manufacturing. 2020 , 34, 101385		22	
222	The rotation of rigid spheroids in a viscous fluid under mean-field effects. 2020 , 282, 104324		1	
221	Review on process model, structure-property relationship of composites and future needs in fused filament fabrication. <i>Journal of Reinforced Plastics and Composites</i> , 2020 , 39, 758-789	2.9	9	
220	The Influence of Sepiolite Orientation and Concentration, on the Morphological, Thermal and Mechanical Properties of Bio-Polyamide 4.10 Nanocomposites. 2020 , 60, 1035-1043		1	
219	Macroscopic fiber orientation model evaluation for concentrated short fiber reinforced polymers in comparison to experimental data. 2020 , 41, 2542-2556		7	
218	On the use of orientation tensors to represent prepreg platelet orientation state and variability. 2020 , 64, 517-527		7	
217	Aligning ⊞lumina platelets via uniaxial pressing of ceramic-filled polymer blends for improved sintered transparency. 2020 , 103, 3500-3512		3	
216	Parameter Identification of Fiber Orientation Models Based on Direct Fiber Simulation with Smoothed Particle Hydrodynamics. 2020 , 4, 77		8	

215	Injection molding of short fiber thermoplastic bio-composites: Prediction of the fiber orientation. 2020 , 54, 4787-4797	6
214	Fiber Orientation Predictions Review of Existing Models. 2020, 4, 69	14
213	Microstructure in Discontinuous Fiber-Reinforced Composites. 2020 , 95-176	
212	Process Simulation for Discontinuous Fibers. 2020 , 261-310	
211	Case Studies to Demonstrate Application of Multiscale Modeling for Fiber-Reinforced Polymers. 2020 , 311-370	
210	Learning the Macroscopic Flow Model of Short Fiber Suspensions from Fine-Scale Simulated Data. 2019 , 22,	1
209	Direct Bundle Simulation approach for the compression molding process of Sheet Molding Compound. 2020 , 132, 105809	22
208	Review of the Numerical Modeling of Compression Molding of Sheet Molding Compound. 2020 , 8, 179	2
207	Efficient parameter identification for macroscopic fiber orientation models with experimental data and a mechanistic fiber simulation. 2020 ,	3
206	Computational homogenization of sheet molding compound composites based on high fidelity representative volume elements. 2020 , 174, 109456	17
205	Composite Reinforcement Architectures: A Review of Field-Assisted Additive Manufacturing for Polymers. 2020 , 4, 1	19
204	Application of Artificial Neural Networks to predict fibre orientation in long fibre compression moulded composite materials. 2020 , 190, 108034	24
203	Short fiber composite reinforcements. 2021 , 627-669	
202	Comparing fiber orientation evolution between startup of shear and nonlubricated squeeze flow. 2021 , 42, 98-112	1
201	Advancement in warpage prediction of thermoplastic glass filled material through integrative simulation approach. 2021 , 44, 4216-4222	0
200	A computational multi-scale model for the stiffness degradation of short-fiber reinforced plastics subjected to fatigue loading. 2021 , 373, 113522	12
199	Diffusion, extensibility, flow, and orientation coupling in polymers filled with extensible and flexible fibers. 2021 , 60, 23-47	0
198	Modeling of non-spherical particle flows: Movement and orientation behavior. 2021 , 382, 351-363	2

197	Robocasting of reaction bonded silicon carbide/silicon carbide platelet composites. 2021, 47, 9736-9744	4
196	Flow-induced Orientations of Fibers and Their Influences on Warpage and Mechanical Property in Injection Fiber Reinforced Plastic (FRP) Parts. 2021 , 8, 917-934	21
195	Viscoelastic properties of poly (vinyl alcohol) hydrogels with cellulose nanocrystals fabricated through sodium chloride addition: Rheological evidence of double network formation. 2021 , 609, 125577	18
194	A computational modeling approach based on random fields for short fiber-reinforced composites with experimental verification by nanoindentation and tensile tests. 2021 , 67, 699-722	5
193	An exact inversion method for extracting orientation ordering by small-angle scattering. 2021 , 23, 4120-4132	1
192	Hybrid multiscale modelling of fatigue and damage in short fibre reinforced composites. 2021 , 691-720	
191	Distribution and Deposition of Cylindrical Nanoparticles in a Turbulent Pipe Flow. 2021 , 11, 962	4
190	Effect of fiber content on the layer structure formation of fibers inside injection-molded products using short glass fiber-reinforced materials. 2021 , 41, 235-243	
189	Editorial for the Special Issue on Discontinuous Fiber Composites, Volume II. 2021 , 5, 71	
188	Coupled simulation of flow-induced viscous and elastic anisotropy of short-fiber reinforced composites. 2021 , 232, 2249-2268	3
187	Assessment of Analytical Orientation Prediction Models for Suspensions Containing Fibers and Spheres. 2021 , 5, 107	1
186	Rheological characterization of CNC-CTAB network below and above critical micelle concentration (CMC). 2021 , 257, 117552	10
185	Data enriched lubrication force modeling for a mechanistic fiber simulation of short fiber-reinforced thermoplastics. 2021 , 33, 053107	1
184	Numerical study of texture in material extrusion: Orientation in a multicomponent system of spheres and ellipsoids. 2021 , 291, 104532	1
183	A Fully Coupled Simulation of Planar Deposition Flow and Fiber Orientation in Polymer Composites Additive Manufacturing. 2021 , 14,	6
182	Bayesian estimations of orientation distribution functions from small-angle scattering enable direct prediction of mechanical stress in anisotropic materials. 2021 , 5,	O
181	Application of the Folgar Tucker model to predict the orientation of particles of different aspect ratios in polymer suspensions. 2021 ,	1
180	Influences of stress triaxiality and local fiber orientation on the failure strain for injection-molded carbon fiber reinforced polyamide-6. 2021 , 250, 107784	3

179	A constitutive equation for fiber suspensions in viscoelastic media. 2021 , 33, 071702	2
178	Theoretical approximation of hydrodynamic and fiber-fiber interaction forces for macroscopic simulations of polymer flow process with fiber orientation tensors. 2021 , 5, 100152	O
177	A statistical homogenization approach for incorporating fiber aspect ratio distribution in large area polymer composite deposition additive manufacturing property predictions. 2021 , 43, 102006	5
176	Modeling Short-Range Interactions in Concentrated Newtonian Fiber Bundle Suspensions. 2021 , 36, 255-263	1
175	Novel modeling approach for fiber breakage during molding of long fiber-reinforced thermoplastics. 2021 , 33, 073318	3
174	Finite element modelling of fully-coupled flow/fiber-orientation effects in polymer composite deposition additive manufacturing nozzle-extrudate flow. 2021 , 219, 108811	6
173	Fiber alignment and its effect on mechanical properties of UHPC: An overview. 2021 , 296, 123741	23
172	Direct ink writing of ZrB2-SiC chopped fiber ceramic composites. 2021 , 44, 102049	1
171	Damage propagation in short fiber thermoplastic composites analyzed through coupled 3D experiments and simulations. 2021 , 218, 108931	2
170	Study of Concentrated Short Fiber Suspensions in Flows, Using Topological Data Analysis. 2021 , 23,	1
169	Asymptotic fiber orientation states of the quadratically closed Folgar Tucker equation and a subsequent closure improvement. 2021 , 65, 999-1022	2
168	Prediction of fiber orientation and flexural performance of UHPC based on suspending mortar rheology and casting method. 2021 , 122, 104142	13
167	Orientation effect on the rheology of graphene oxide dispersions in isotropic phase, ordered isotropic biphase, and discotic phase. 2021 , 65, 791-806	5
166	References. 2021 , 579-598	
165	Wall effect on the rheology of short-fiber suspensions under shear. 2021 , 65, 1169-1185	2
164	Validation of process simulation workflow for thermosetting prepreg platelet molding compounds. 2021 , 224, 109198	2
163	A computational investigation of the effective viscosity of short-fiber reinforced thermoplastics by an FFT-based method. 2021 , 90, 99-113	О
162	Artificial intelligence approach for increasing the fidelity of the second order fibre orientation tensor for use in finite element analysis. 2021 , 275, 114393	O

Dynamics of gas bubbles in fiber suspensions. **2021**, 145, 103823

160	Ceramic Additive for Aerospace. 2021 , 119-133	О
159	On the bead design in LFT structures: the influence of manufacturing-induced residual stresses. 2021 , 7,	1
158	Fused Deposition Modelling of Fibre Reinforced Polymer Composites: A Parametric Review. 2021 , 5, 29	20
157	Numerical Simulation of Fiber Orientation and Resulting Thermo-Elastic Behavior in Reinforced Thermo-Plastics. 2008 , 293-313	3
156	Hygrothermal Ageing of Injection-Moulded PA6/GF Materials Considering Automotive Requirements. 2017 , 405-419	1
155	Dissipative Particle Dynamics (DPD). 2013 , 147-194	1
154	Microstructural Description of Composites, Statistical Methods. 2004 , 173-233	1
153	Fiber-Reinforced Cementitious Materials: From Intrinsic Isotropic Behavior to Fiber Alignment. 2010 , 407-415	7
152	Fiber orientation prediction in injection molding. 1995 , 113-141	5
151	Prediction of Fiber Orientation and Mechanical Properties in Short-Fiber Reinforced Injection-Molded Composites. 1992 , 371-382	5
150	Modelling of Short Fibre-Reinforced Thermoplastics Flows in Polymer Processing. 2000, 345-363	2
149	Warpage and its prediction in injection-molded parts. 1999 , 859-865	О
148	The Rheology of Two-Phase Flows. 1993 , 479-594	2
147	Physical Phenomena Involved in Flows of Fresh Cementitious Materials. 2014 , 1-24	3
146	Morphological Characterization of Microstructures. 2000 , 465-478	6
145	LCP Defect Dynamics in Shear Flows. 1994 , 127-131	2
144	A CONSTITUTIVE EQUATION FOR SEMICONCENTRATED FIBRE SUSPENSIONS IN A VISCOELASTIC FLUID. 1992 , 850-852	1

143	Taylor Couette instability in disk suspensions. 2018 , 3,	3
142	Microstructural Dynamics and Rheology of Suspensions of Rigid Fibers. 2018 , 50, 299-318	26
141	A Monte-Carlo Algorithm for 3D Fibre Detection from Microcomputer Tomography. 2016 , 2016, 1-9	2
140	Process- and material-induced heterogeneities in recycled thermoplastic composites. 089270572097934	3
139	An Integration of Microstructure Predictions and Structural Analysis in Long-Fiber-Reinforced Composite with Experimental Validation. 2017 , 32, 455-466	4
138	A Review of Effects of Molding Methods, Mold Thickness and Other Processing Parameters on Fiber Orientation in Polymer Composites. 2013 , 6, 401-410	13
137	Flow-induced Orientation and Concentration Distribution of Fibers in a Concentrated Suspension Flow. 2007 , 53, 107-115	2
136	Integrating helicoid channels for passive control of fiber alignment in direct-write 3D printing. 2021 , 48, 102419	2
135	Fused Filament Fabrication Process: A Review of Numerical Simulation Techniques. 2021, 13,	4
134	Flows of Linear Polymer Solutions and Other Suspensions of Rod-like Particles: Anisotropic Micropolar-Fluid Theory Approach. 2021 , 13,	
133	Strength prediction in single beads of large area additive manufactured short-fiber polymers. 2021 , 42, 6534	0
132	Prediction of fiber rotation in an orifice channel during injection molding process. 2021 , 65, 1361-1371	Ο
131	OVERALL BEHAVIOUR OF A TRUSS OF FIBRES LINKED BY VISCOUS JOINTS. 2000 , 303-310	
130	Numerical simulation on the channel flow of fiber suspensions with the successive iteration method. 2004 , 443-449	
129	PPSIZ008 America's Regional Meeting. 2009 , 21, 83-85	
128	Three-dimensional Fiber Orientation of FRTP Obtained by Injection Molding D etailed Analyses on the Fiber Orientation of a Thin Plate at the exit of a Pinpoint Gate 2010 , 22, 48-53	
127	A study on structure analysis system for short fiber reinforced plastics. 2011 , 24, 41-47	2
126	Arrangement of fibers Ifiber orientation. 2012 , 46-96	

125	Kevlar Fiber-Reinforced Polymer Composites. 209-274	2
124	Fiber Orientation and Warpage of Film Insert Molded Parts with Glass Fiber Reinforced Substrate. 2012 , 25, 117-125	1
123	Applicability of Various Fracture Mechanics Approaches for Short Fiber Reinforced Injection Molded Polymer Composites and Components. 2014 , 217-227	
122	Advanced Methods and Future Perspectives. 2014 , 125-146	
121	Computer-aided Analysis of Some Thermoplastics Processing Operations. 1986 , 203-273	
120	Numerical and experimental study of the fiber motion in reinforced thermoplastic flows. 1988 , 144-146	
119	NUMERICAL SIMULATION OF THREE-DIMENSIONAL EXTRUDATE SWELL OF SEMICONCENTRATED FIBER SUSPENSIONS. 1992 , 277-279	
118	A Coupled Solution for the Fiber Orientation and Rheology of Non D ilute Short Fiber Suspensions in Radial Flow. 1992 , 874-876	
117	Numerical Simulation of a Concentrated Suspension of Rod-Like Particles in Shear Flow. 1993 , 1423-1426	
116	Predicting mechanical properties of fiber reinforced thermoplastic parts. 1993 , 1507-1510	
115	Order and Disorder in Fiber Suspensions. 1995 , 105-128	
114	Shear viscosity of a molten short fibers composite. 1998 , 108-109	
113	Fiber orientation due to processing and its prediction. 1999 , 233-239	
112	Complex Flows of Micro/Nano Structured Fluids: Reinforced Polymer Composites. 2015 , 43-108	
111	Literature. 2015 , 200-209	
110	Flow property of fiber suspension in a turbulent channel flow under considering both Brownian and turbulent diffusions. 2016 , 65, 194702	
109	Novel Simulation Methodology for the Estimation of the Flow Mark Risk Associated with the Injection of Mass Colored Plastic Materials. 2017 , 3-16	
108	CAE. 2017 , 29, 244-248	

107	Thermodynamics of Irreversible Processes with Internal Variables. 2020 , 59-111	
106	Taylor-Couette instability in disk suspensions: Experimental observation and theory. 2020 , 5,	
105	Fiberfiber and fiberfivall interactions during the flow of nondilute suspensions. 2022, 31-61	
104	Closure models for flow-induced alignment of particles of nearly arbitrary shapes. 2022, 63-75	
103	Macroscopic modeling of the evolution of fiber orientation during flow. 2022 , 77-121)
102	Flow-induced alignment in injection molding of fiber-reinforced polymer composites. 2022 , 123-185 2	
101	Gestalten, Design, Fgen, Auslegung, Berechnungsanstze, Simulation, EDV-untersttzte Konstruktion und Kosten von Kunststoffbauteilen. 2020 , 455-578	
100	Rigid fiber motion in slightly non-Newtonian viscoelastic fluids. 2021 , 33, 103320	
99	Gestalten, Figen, Berechnungsanstze und Simulation EDV-untersttzter Konstruktionen und Auslegung von Kunststoffbauteilen. 2008 , 466-544	
98	Analysis of Additive Alignment in a 90? Elbow Channel. 2020 , 28, 2050032)
97	Simulation of Fibre Orientation in Self-compacting Concrete: Case Studies. 2021, 64-74	
96	On short glass fiber reinforced thermoplastics with high fiber orientation and the influence of surface roughness on mechanical parameters. <i>Journal of Reinforced Plastics and Composites</i> , 073168442 110517	
95	A hybrid lattice Boltzmann-molecular dynamics-immersed boundary method model for the simulation of composite foams. 1	
94	Function-based reconstruction of the fiber orientation distribution function of short-fiber-reinforced polymers. 2022 , 66, 147-160)
93	Nanofibril Alignment during Assembly Revealed by an X-ray Scattering-Based Digital Twin 2022 ,	
92	Strong fibrous filaments nanocellulose crystals prepared by self-twisting microfluidic spinning. 2022 , 178, 114599	
91	Exploring the applicability of a simplified fully coupled flow/orientation algorithm developed for polymer composites extrusion deposition additive manufacturing. 2022 , 37, 106-119	
90	Experimental and Numerical Analysis of SMC Compression Molding in Confined Regions Accomparison of Simulation Approaches. 2022 , 6, 68)

89	Simulation of non-dilute fibre suspensions using RBF-based macrothicro multiscale method. 2022 , 34, 1-15	
88	Numerical simulation of the mold filling process and its experimental validation. 1	1
87	Reorientation of Suspended Ceramic Particles in Robocasted Green Filaments during Drying 2022 , 15,	0
86	Heat Transfer and Pressure Drop of Nanofluid with Rod-like Particles in Turbulent Flows through a Curved Pipe 2022 , 24,	3
85	The Impact of Fiber Orientation on Structural Dynamics of Short-Fiber Reinforced, Thermoplastic Components Comparison of Simulative and Experimental Investigations. 2022 , 6, 106	0
84	Suspensions and hydrogels of cellulose nanocrystals (CNCs): characterization using microscopy and rheology. 1	2
83	Advanced process simulation of compression molded carbon fiber sheet molding compound (C-SMC) parts in automotive series applications. 2022 , 157, 106924	2
82	Analysis of Performance Enhancement of Composite Specimen of Wood and PLA prepared through the Computer Controlled FDM Technique. 2021 ,	
81	Comparison of Real and Simulated Fiber Orientations in Injection Molded Short Glass Fiber Reinforced Polyamide by X-ray Microtomography 2021 , 14,	1
80	Numerical simulation of plate-like particle orientation in injection molding. 2022, 117481	1
79	Simulated orientational morphology from the measured transient rheology of polycarbonateBarbon fiber composites.	
78	A numerical study on the predicted fiber orientation of large area extrusion deposition additive manufactured composites.	1
77	Characterisation, testing, and modelling of nonwoven fabrics. 2022 , 509-626	
76	On the influence of the elastic characteristics of composite materials on the vibrating properties. 10775	463221 <u>,</u> 0982
75	Tensor interpolation in virtual manufacturing chains for fiber reinforced composites. 2022, 107378	0
74	Oscillatory behavior with fiber orientation in the flowNorticity plane for fiber suspension under large amplitude oscillatory shear flow. 2022 , 34, 063102	1
73	Powder Injection Molding. 2022 , 495-509	
72	Molding Simulation: Theory and Practice. 2022 ,	

71	Index. 2022 , 595-599
70	Integrated Circuit Packaging. 2022 , 549-593
69	Process Conditions. 2022 , 105-156
68	Fiber Orientation Control. 2022 , 347-377
67	Foam Injection Molding. 2022 , 457-494
66	Part and Mold Design. 2022 , 73-103
65	Design of short fiber-reinforced thermoplastic composites: A review.
64	Runner and Gate Design. 2022 , 239-277
63	Co-/Bi-Injection Molding. 2022 , 411-432
62	Material Properties of Plastics. 2022 , 23-72
61	Cooling Optimization. 2022 , 279-314
60	Resin Transfer Molding. 2022 , 511-548
59	Molding Simulation Methodology. 2022 , 157-192
58	Warpage Control. 2022 , 315-345
57	Molding Simulation: Theory and Practice. 2022 , I-XX
56	Flow Consideration versus Part Features. 2022 , 193-237
55	Overview of Plastics Molding. 2022 , 1-21
54	Gas-/Water-Assisted Injection Molding. 2022 , 433-456

53 Hot Runner Optimization. **2022**, 379-410

52	A comparative study between fiber orientation closure approximations and a new orthotropic closure.	
51	A sequential addition and migration method for generating microstructures of short fibers with prescribed length distribution.	O
50	Improving Numerical Modeling Accuracy for Fiber Orientation and Mechanical Properties of Injection Molded Glass Fiber Reinforced Thermoplastics. 2022 , 15, 4720	1
49	Experimental Investigation and Applicability of Multi-Stage Simulations in the Case of a Thick-Walled Injection-Moulded Composite. 2022 , 12, 8415	3
48	Experimental and numerical characterisation of fibre orientation distributions in compression moulded carbon fibre SMC. 1-9	
47	Machine learning for polymer composites process simulation 🗈 review. 2022 , 246, 110208	1
46	Advanced cellulose nanocrystals (CNC) and cellulose nanofibrils (CNF) aerogels: Bottom-up assembly perspective for production of adsorbents. 2022 , 222, 1-29	2
45	Correlation Between Fiber Orientation and Geometrical Shrinkage of Injected Parts Under the Influence of Flow-Fiber Coupling Effect.	О
44	Three-dimensional numerical simulation on fiber orientation of short-glass-fiber-reinforced polypropylene composite thin-wall injection-molded parts simultaneously accounting for wall slip effect and pressure dependence of viscosity.	O
43	Jeffery's orbit leading to the foundation of flow-induced orientation in modern fiber composite materials. 2022 , 104926	О
42	Planar fiber orientation: Jeffery, non-orthotropic closures, and reconstructing distribution functions. 2022 , 104939	O
41	Non-isothermal direct bundle simulation of SMC compression molding with a non-Newtonian compressible matrix. 2022 , 104940	О
40	Predicting particle orientation: Is an accurate flow field more important than the actual orientation model?. 2022 , 310, 104927	O
39	Benchmarking solutions of the Folgar ucker-Equation and its reduction to a linear problem for non-linear closure forms. 2022 , 310, 104922	О
38	Microstructure development analysis of long-glass-fiber-reinforced polypropylene in injection molded spiral-flow. 2022 , 163, 107261	O
37	Notch effect in 20% short carbon fibre-PA reinforced composites under quasi-static tensile loads. 2022 , 122, 103649	О
36	Influence of fiber breakage on flow behavior in fiber length- and orientation-dependent injection molding simulations. 2022 , 104950	O

35	A Review on Microstructural Formations of Discontinuous Fiber-Reinforced Polymer Composites Prepared via Material Extrusion Additive Manufacturing: Fiber Orientation, Fiber Attrition, and Micro-Voids Distribution. 2022 , 14, 4941	О
34	Cellulose Nanocrystals (CNC) Liquid Crystalline State in Suspension: An Overview. 2022 , 1, 244-278	Ο
33	A tensorial form to describe the rheological properties of a rigid triaxial ellipsoid suspended in a Newtonian fluid. 2023 , 311, 104953	О
32	Research progress on aligned fiber reinforced cement-based composites. 2023 , 363, 129578	Ο
31	Cellulose Nanocrystals Examined by Atomic Force Microscopy: Applications and Fundamentals. 2022 , 2, 1789-1818	2
30	3D real time and in situ observation of the fibre orientation during the plane strain flow of concentrated fibre suspensions. 2022 , 104978	О
29	CFD Comparison of the Influence of Casting of Samples on the Fiber Orientation Distribution. 2023 , 11, 6	О
28	On the Phase Space of Fourth-Order Fiber-Orientation Tensors.	O
27	Effect of fibre orientation on the light scattering during laser transmission welding. 2023, 86, 1-9	0
26	Universal flow-induced orientational ordering of colloidal rods in planar shear and extensional flows: Dilute and semidilute concentrations. 2023 , 67, 315-330	1
25	A constitutive model for viscosity of dense fiber suspension.	О
24	Design for manufacture. 2023 , 349-372	O
23	Fiber Orientation and Strain Rate-Dependent Tensile and Compressive Behavior of Injection Molded Polyamide-6 Reinforced with 20% Short Carbon Fiber. 2023 , 15, 738	1
22	Experimental and Hybrid FEM/Peridynamic Study on the Fracture of Ultra-High-Performance Concretes Reinforced by Different Volume Fractions of Polyvinyl Alcohol Fibers. 2023 , 15, 501	O
21	Modeling and Simulation of a Compression Molding Process for Aircraft Structures with Recycled Thermoplastic Composites. 2023 ,	0
20	Process simulation: Moulding processes. 2023 , 401-426	O
19	Image Analysis Method for Estimating 2-D Fibre Orientation and Fibre Length in Discontinuous Fibre Reinforced Composites. 1995 , 3, 147823919500300	0
18	Effects of fiber volume fraction, fiber length, water-binder ratio, and nanoclay addition on the 3D printability of strain-hardening cementitious composites (SHCC). 2023 , 139, 105066	O

CITATION REPORT

17	Testing orientational closure approximations in dilute and non-dilute suspensions with Rheo-SANS. 2023 , 315, 105014	О
16	Alignment of carbon fiber and PDMS mixture flowing in 90° elbow channel. 2023 , 165, 104470	O
15	Towards the use of probability distribution function to describe the flow of fiber suspensions. 2023 , 6, 100172	О
14	Non-linear instability of periodic orbits of suspensions of thin fibers in fluids. 2023 , 313, 105001	O
13	Dynamics of semi-flexible and breakable fibers under Poiseuille flow. 2023 , 63, 1032-1040	0
12	Influence of flowfiber coupling during mold-filling on the stress field in short-fiber reinforced composites. 2023 , 71, 991-1013	O
11	Online detection of orientation of cellulose nanocrystals in a capillary flow with polarization-sensitive optical coherence tomography. 2023 , 30, 3539-3550	0
10	Review on melt flow simulations for thermoplastics and their fiber reinforced composites in fused deposition modeling. 2023 , 92, 272-286	O
9	Fibre Orientation Behaviour of Different Types of Glass Mat Reinforced Thermoplastics (GMT). 1994 , 2, 147823919400200	1
8	Computational modeling of fiber orientation during 3D-concrete-printing.	O
7	Modeling and numerical simulations of Brownian rodlike particles with anisotropic translational diffusion. 2023 , 8,	O
6	A procedure for determination of the microstructural probabilistic characteristics from micrographs and their impact on subsequent results. 2023 , 22,	O
5	Multiscale mechanical characterization and computational modeling of fibrin gels. 2023,	O
4	Tunnel Linings. 2023 , 253-327	O
3	Revealing the Shear Effect on the Interfacial Layer in Polymer Nanocomposites through Nanofiber Reorientation.	O
2	Influence of Different Hot Runner-Systems in the Injection Molding Process on the Structural and Mechanical Properties of Regenerated Cellulose Fiber Reinforced Polypropylene. 2023 , 15, 1924	O
1	Determination of fiber orientation model parameters for injection molding simulations via automated metamodel optimization. 10,	0