

CITATION REPORT

List of articles citing

On the characterization of nonlinear viscoelastic materials

DOI: 10.1002/pen.760090410

Polymer Engineering and Science, 1969, 9, 295-310.

Source: <https://exaly.com/paper-pdf/9856469/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
834	Viscoelastic Characterization of a Nonlinear Fiber-Reinforced Plastic. 1971 , 5, 208-234		243
833	Biaxial stress relaxation in glassy polymers: polymethylmethacrylate. 1972 , 43, 4370-4383		54
832	Viscoelastoplastic response of axisymmetric shells under impulsive loadings. 1972 ,		
831	A comparison of single-integral non-linear viscoelasticity theories. 1972 , 20, 313-324		64
830	Dynamic analysis of viscoelastoplastic anisotropic shells. 1973 , 3, 483-496		1
829	A unified theory of thermoviscoplasticity of crystalline solids. 1973 , 8, 261-277		8
828	Viscoelastoplastic Response of Axisymmetric Shells under Impulsive Loadings. 1973 , 11, 478-482		3
827	Proprietes viscoelastiques des reseaux a l'etat caoutchoutique. 1974 , 10, 1093-1101		5
826	Nonlinear wave propagation in a viscoelastic thin rod. 1974 , 9, 283-290		1
825	Rapid flexural creep and engineering analysis for product design of a propylene copolymer. <i>Polymer Engineering and Science</i> , 1974 , 14, 189-192	2.3	1
824	Uniaxial wave propagation in a nonlinear thermoviscoelastic medium with temperature dependent properties. 1975 , 11, 725-740		1
823	Anisotropic and nonlinear viscoelastic behaviour in solid polymers. 1975 , 38, 1143-1215		29
822	Numerischer Zusammenhang zwischen Kriechen und Relaxation linear-viskoelastischer Werkstoffe am Beispiel von Kunststoffen. 1976 , 15, 533-539		8
821	On the thermodynamics of nonlinear single integral representations for thermoviscoelastic materials with applications to one-dimensional wave propagation. 1977 , 25, 187-206		7
820	Nonlinear theory of thermoviscoelasticity for a generalized thermo-rheologically simple material. 1978 , 14, 11-18		
819	Analysis of non-linear stress relaxation in polymeric glasses. <i>Polymer Engineering and Science</i> , 1978 , 18, 1073-1080	2.3	66
818	A theory of thermoviscoplasticity based on infinitesimal total strain. 1980 , 16, 723-741		45

817	Balloon material characterization. 1981 ,		2
816	NON-LINEAR VISCOELASTICITY BASED ON FREE VOLUME CONSIDERATION. 1981 , 123-128		6
815	Beschreibung des nichtlinearen Verhaltens von Kunststoffen unter Belastung mit konstanter Dehngeschwindigkeit. 1981 , 20, 240-246		3
814	One version of the main thermomechanical theory of viscoelasticity for thermorheologically simple materials. 1981 , 17, 433-439		0
813	Non-linear viscoelasticity based on free volume consideration. 1981 , 13, 123-128		156
812	Non-linear viscoelastic properties of solid polymers. 1981 , 22, 673-681		6
811	Constitutive modeling of plastic-bonded explosives. 1981 , 21, 111-116		11
810	Nonlinear Mechanical Behavior. 1982 , 292-352		2
809	Nonlinear photoviscoelasticity: Theory and measurement. 1983 , 23, 314-321		8
808	Diffusion of ethyl acetate vapor in strained low density polyethylene. <i>Polymer Engineering and Science</i> , 1983 , 23, 734-742	2.3	12
807	Stress-relaxation crazing of polymers [an energy criterion. <i>Polymer Engineering and Science</i> , 1983 , 23, 844-848	2.3	4
806	Modeling nonlinear viscoelastic response. <i>Polymer Engineering and Science</i> , 1983 , 23, 849-859	2.3	17
805	A nonlinear viscoelastic characterization of creep rupture in a reinforced plastic. 1983 , 3, 253-269		1
804	The Nonlinear Thermoviscoelastic Characterizations of FM-73 Adhesives. 1983 , 27, 97-114		39
803	Nonlinear viscoelastic response in two dimensions [numerical modeling and experimental verification. <i>Polymer Engineering and Science</i> , 1984 , 24, 1409-1416	2.3	5
802	Prediction of Stress-Strain Relationships in Glassy and Crystalline Polymers. 1985 , 17, 321-335		18
801	On the nonlinear response of polymers to periodical sudden loading and unloading. <i>Polymer Engineering and Science</i> , 1985 , 25, 604-607	2.3	8
800	Anelastic and Plastic Response of Polymers. 1986 , 484, 307-310		4

799	Prediction of the long-term creep compliance of general composite laminates. 1986 , 26, 89-102		141
798	Cumulative creep damage for polycarbonate and polysulfone. 1986 , 26, 155-162		6
797	Time-dependent nonlinear deformation behaviour of glassy polymers. 1987 , 55, 253-268		2
796	The characterization of the non-linear viscoelastic properties of a randomly orientated fibre/matrix composite. 1987 , 18, 317-323		34
795	Analysis of thermoviscoelastic behavior of unidirectional fiber composites. 1987 , 29, 103-131		14
794	Nonlinear viscoelasticity and yield: Application of a coupling model. <i>Polymer Engineering and Science</i> , 1987 , 27, 2-15	2.3	25
793	The nonlinear viscoelastic characterization of graphite/epoxy composites. <i>Polymer Engineering and Science</i> , 1987 , 27, 116-123	2.3	44
792	On the nonlinear characterization of the long term behavior of polymeric materials. <i>Polymer Engineering and Science</i> , 1987 , 27, 144-148	2.3	26
791	Fourier transform mechanical analysis for determining the nonlinear viscoelastic properties of polymers. <i>Polymer Engineering and Science</i> , 1987 , 27, 165-178	2.3	43
790	On the characterization by Schapery's model of non-linear Viscoelastic materials. 1987 , 7, 137-147		7
789	Application and limitations of the flexural creep test for polymeric materials. 1987 , 7, 39-58		6
788	Finite-element models of viscoelasticity and diffusion in adhesively bonded joints. 1988 , 26, 2531-2546		40
787	A finite element analysis of adhesively bonded composite joints with moisture diffusion and delayed failure. 1988 , 29, 1011-1031		49
786	Time Dependent Behavior of Laminated Composites at Elevated Temperatures. 1989 , 23, 1159-1197		33
785	An effective method for non-linear viscoelastic structural analysis. 1990 , 37, 637-646		15
784	On some path independent integrals and their use in fracture of nonlinear viscoelastic media. 1990 , 42, 189-207		28
783	Creep and physical aging in a polyamideimide carbon fiber composite. 1990 , 29, 303-336		14
782	Viscoelastic Behavior of Laminated Composite Materials. 1991 , 339-384		2

781	Non-linear stress relaxation behaviour of crosslinked polyester resins in simple extension. 1991 , 32, 39-43	25
780	A nonlinear mechanical model for solid-filled rubbers. <i>Polymer Engineering and Science</i> , 1991 , 31, 410-416.3	11
779	Nonlinear viscoelastic stress relaxation behaviour of aramid fibers. 1991 , 50, 55-65	4
778	Compressional behavior of inked open-cell foams. <i>Polymer Engineering and Science</i> , 1992 , 32, 668-677	2.3 3
777	The viscoelastic behavior of notched glassy polymers. 1993 , 44, 167-173	5
776	Predicting the behavior of nonlinear viscoelastic materials under spring loading. <i>Polymer Engineering and Science</i> , 1993 , 33, 97-99	2.3 5
775	Creep-based characterization of nonlinear relaxation behavior of plastics. <i>Polymer Engineering and Science</i> , 1993 , 33, 1400-1403	2.3 5
774	Zur Charakterisierung des Langzeitverhaltens von Kunststoffen. 1993 , 63, 363-376	0
773	Photovisco-elastoplastic behavior of polycarbonate material under creep and tension tests. 1993 , 33, 148-152	2
772	ON NONLINEAR VISCOELASTIC ANALYSIS OF THIN FILM MATERIALS USING A DYNAMIC MECHANICAL APPROACH. 1993 ,	2
771	Three-Dimensional, Nonlinear Viscoelastic Analysis of Laminated Composites. 1994 , 28, 902-925	40
770	Evaluation of creep compliances of unidirectional fibre-reinforced composites. 1994 , 51, 469-477	10
769	The creep behavior of solid-filled rubber composites. 1994 , 1, 75-83	9
768	Dynamic stability of nonlinear viscoelastic plates. 1994 , 31, 2367-2376	34
767	Non-linear viscoelastic performance of Nomex, Kevlar and polypropylene fibres in a single-step stress relaxation test: 1. Experimental data and principles of analysis. 1994 , 35, 2108-2116	29
766	Computer simulation of creep damage at crack tip in short fibre composites. 1994 , 10, 282-288	4
765	Constitutive Models of Viscoelastic Materials. 1994 , 38, 1-132	2
764	Viscoelastic characterization of thin-film materials using a dynamic mechanical approach. 1994 ,	0

763	Numerical methods for treating problems of viscoelastic isotropic solid deformation. 1995 , 63, 91-107		12
762	Non-linear viscoelastic performance of Nomex, Kevlar and polypropylene fibres in a single step stress relaxation test: 2. Moduli, viscosities and isochronal stress/strain curves. 1995 , 36, 2363-2369		24
761	Investigations on the thermorheological simplicity of polypropylene fibres in the β transition range. 1995 , 36, 1611-1615		20
760	Time dependent response of polycarbonate and microcellular polycarbonate. <i>Polymer Engineering and Science</i> , 1995 , 35, 673-679	2.3	26
759	An integral constitutive equation for nonlinear plasto-viscoelastic behavior of high-density polyethylene. <i>Polymer Engineering and Science</i> , 1995 , 35, 1339-1347	2.3	55
758	Time dependent large principal deformation of polymers. 1995 , 43, 771-792		28
757	Analysis of the non-linear creep of high-density polyethylene. 1995 , 36, 93-99		103
756	Unified constitutive model for thermoset adhesive, FM73. 1995 , 15, 131-136		35
755	Modelling and predicting the effects of test speed on the strength of joints made with FM73 adhesive. 1995 , 15, 21-27		30
754	Influence of large deflections on the dynamic stability of nonlinear viscoelastic plates. 1995 , 113, 215-231		21
753	Characterization of nonlinear viscoelastic behavior using a dynamic mechanical approach. 1995 , 33, 904-910		7
752	Creep Behavior of Fiber-Reinforced Polymeric Composites: A Review of the Technical Literature. 1995 , 14, 588-617		112
751	3-D schapery representation for non-linear viscoelasticity and finite element implementation. 1996 , 18, 182-191		130
750	A time-domain non-linear viscoelastic damper model. 1996 , 5, 517-528		33
749	A test and analysis protocol to rapidly characterize nonlinear viscoelastic properties of balloon materials. 1996 ,		2
748	Advancements in NASA balloon research and development. 1996 , 17, 37-44		
747	Thermomechanics of isotactic polypropylene between β 7 and +140°C: investigation of the relaxation behaviour based on literature data. 1996 , 37, 819-824		19
746	Uniqueness of solutions of non-homogeneous and anisotropic problems of non-linear viscoelasticity. 1996 , 31, 419-423		1

745	Predictions of nonlinear viscoelastic behavior using a hybrid approach. 1996 , 33, 4561-4570		18
744	Nonlinear behavior of linear low-density polyethylene. <i>Polymer Engineering and Science</i> , 1996 , 36, 1058-1064		24
743	Viscoelasticity of rubber-toughened poly(methyl methacrylate). Part I: Deformational behavior. <i>Polymer Engineering and Science</i> , 1996 , 36, 2750-2757	2.3	18
742	Nonlinear Thermo-Viscoelastic Analysis of Interlaminar Stresses in Laminated Composites. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1996 , 63, 218-224	2.7	24
741	Piezoelectric polymer actuator and material properties.		4
740	Thermoviscoelastic Constitutive Equations for Polycrystalline Ice. 1997 , 11, 146-157		15
739	On the Prediction of Stress Relaxation From Known Creep of Nonlinear Materials. 1997 , 119, 121-124		19
738	Multiaxial Nonlinear Viscoelastic Characterization and Modeling of a Structural Adhesive. 1997 , 119, 205-210		49
737	Stress-strain laws for carbon black and silicon filled elastomers.		
736	An approach to characterize nonlinear viscoelastic material behavior using dynamic mechanical tests and analyses. 1997 ,		0
735	An experimental and analytical methodology to characterize nonlinear elastomeric lag dampers. 1997 ,		0
734	Stress Relaxation of Nonlinear Thermoviscoelastic Materials Predicted from Known Creep. <i>Mechanics of Time-Dependent Materials</i> , 1997 , 1, 321-330	1.2	16
733	Hygrothermal effects upon stress relaxation in a polyimide film. 1997 , 26, 798-804		11
732	A study of nonlinear viscoelasticity of an unsaturated polyester resin. Part 1. Uniaxial model. <i>Mechanics of Materials</i> , 1997 , 26, 141-166	3.3	12
731	A study of nonlinear viscoelasticity of an unsaturated polyester resin. Part 2. 3D model. <i>Mechanics of Materials</i> , 1997 , 26, 167-195	3.3	11
730	An extended nonlinear mechanical model for solid-filled Mooney-Rivlin rubber composites. 1997 , 38, 571-576		11
729	Time-dependent deformation of polypropylene in response to different stress histories. 1997 , 38, 4617-4628		24
728	Finite element analysis of free edge stresses in non-linear viscoelastic composites under uniaxial extension, bending and twisting loadings. 1997 , 40, 4225-4238		15

727	Post buckling analysis of imperfect nonlinear viscoelastic columns. 1997 , 34, 1751-1760		13
726	Thermodynamic formulation of constitutive equations and application to the viscoplasticity and viscoelasticity of metals and polymers. 1997 , 34, 2239-2254		129
725	Nonlinear viscoelastic stress singularities near free edges of unsymmetrically laminated composites. 1998 , 35, 3221-3237		7
724	Applicability of Anisotropic Viscoelasticity of Paper at Small Deformations. <i>Mechanics of Time-Dependent Materials</i> , 1998 , 2, 245-267	1.2	6
723	Nonlinear Shear Behavior of Poly(vinyl acetate) Material. <i>Mechanics of Time-Dependent Materials</i> , 1998 , 2, 287-305	1.2	8
722	Analytical and Experimental Evaluation of Nonlinear Viscoelastic-Viscoplastic Composite Laminates under Creep, Creep-Recovery, Relaxation and Ramp Loading. <i>Mechanics of Time-Dependent Materials</i> , 1998 , 2, 113-128	1.2	48
721	Phenomenological models of inelastic ferromagnetics in internal-time space. 1998 , 34, 981-986		
720	Nonlinear viscoelastic analysis of composite plates and shells. 1998 , 41, 265-272		31
719	Postbuckling of non-linear viscoelastic imperfect laminated plates Part I: material considerations. 1998 , 42, 33-41		16
718	Postbuckling of non-linear viscoelastic imperfect laminated plates Part II: structural analysis. 1998 , 42, 43-51		13
717	On the non-linear viscoelastic behaviour of polymer-matrix composites. 1998 , 58, 883-889		59
716	Modelling an anomalous stress relaxation in glassy polymers (the Kitagawa effect). 1998 , 27, 45-67		15
715	Application of the network alteration theory for modeling the time-dependent constitutive behaviour of rubbers. Part I. General theory. <i>Mechanics of Materials</i> , 1998 , 30, 253-263	3.3	32
714	What is so exciting about non-linear viscous flow in glass, molecular dynamics simulations of brittle fracture and semiconductor-glass quantum composites. 1998 , 239, 1-15		34
713	Nonlinear Constitutive Models with Small Strains. 1998 , 107-170		
712	Field-Scale In-Situ Compliance of Arctic First-Year Sea Ice. 1998 , 12, 52-63		3
711	On the Stability of Schapery Beams. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1998 , 65, 541-544	2.7	
710	Interrelation of creep and relaxation: a modeling approach for ligaments. 1999 , 121, 612-5		64

709	An Approach to Characterize Nonlinear Viscoelastic Material Behavior Using Dynamic Mechanical Tests and Analyses. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1999 , 66, 872-878	2.7	17
708	Modeling of Nonlinear Hysteresis in Elastomers under Uniaxial Tension. 1999 , 10, 116-134		21
707	A continuous test data method to determine a reference curve and shift rate for isothermal physical aging. <i>Polymer Engineering and Science</i> , 1999 , 39, 211-235	2.3	16
706	Matrix dominated time dependent failure predictions in polymer matrix composites. 1999 , 47, 445-456		40
705	Prediction of the non-linear viscoelastic response of unidirectional fiber composites. 1999 , 59, 1311-1319		40
704	Creep of carbon/polypropylene model composites [a Raman spectroscopic investigation. 1999 , 59, 1375-1385		15
703	Mechanical response of linear viscoelastic composite laminates incorporating non-isothermal physical aging effects. 1999 , 59, 1411-1427		28
702	A broad-spectrum constitutive modeling technique applied to saline ice. 1999 , 97, 209-226		9
701	Constitutive behaviour of crushed ice. 1999 , 97, 171-187		9
700	Nonlinear viscoelastic and viscoplastic constitutive equations with growing damage. 1999 , 97, 33-66		126
699	Creep/Creep-Recovery Response of Fibredux 920C-TS-5-42 Composite under Flexural Loading. 1999 , 6, 71-86		3
698	A constitutive model in linear thermoviscoelasticity of polymers based on the concept of cooperative relaxation. 1999 , 11, 193-216		3
697	Finite-element modelling of creep-induced buckling of HDPE elements. 1999 , 35, 193-204		1
696	A finite element constitutive update scheme for anisotropic, viscoelastic solids exhibiting non-linearity of the Schapery type. 1999 , 46, 2027-2041		24
695	Stochastic Delamination Simulations of Nonlinear Viscoelastic Composites During Cure. 1999 , 1, 111-127		4
694	Nonlinear thermal expansion and contraction of asphalt concrete. 1999 , 26, 26-34		15
693	Further development of a data reduction method for the nonlinear viscoelastic characterization of FRPs. 1999 , 30, 839-848		32
692	Experimental studies on the temperature fluctuations in deformed thermoplastics with defects. 2000 , 37, 887-897		13

691	Modelling of creep behaviour in injection-moulded HDPE. 2000 , 41, 5443-5449		29
690	Prediction of long-term behaviour of composite materials. 2000 , 76, 183-194		30
689	Constitutive equations in nonlinear viscoelasticity of glassy polymers based on the concept of traps. <i>Polymer Engineering and Science</i> , 2000 , 40, 818-825	2.3	8
688	Generalized models of the thermomechanical behavior of viscoelastic materials with allowance for the interaction of mechanical and thermal fields (review). 2000 , 36, 40-63		6
687	An internal-variable theory of thermo-viscoelastic constitutive relations at finite strain. 2000 , 43, 545-551		3
686	Geometrically Nonlinear Shell Element for Hygrothermorheologically Simple Linear Viscoelastic Composites. 2000 , 38, 2305-2319		13
685	Life Cycle Engineering of Composites. 2000 , 1073-1102		6
684	Dynamic mechanical behavior of filled polymers. I. Theoretical developments. 2001 , 90, 5522-5534		27
683	The Trapping Concept in Nonlinear Viscoelasticity of Amorphous Glassy Polymers. 2001 , 49, 339-353		
682	Frequency effect on the fatigue life of a chopped fiber composite. 2001 , 245-263		
681	Nondestructive testing of carbon-fiber-reinforced laminates by monitoring of electrical resistance. 2001 ,		
680	Modelling of Quasi-Static and Dynamic Load Responses of Filled Viscoelastic Materials. 2001 , 229-252		
679	Nonlinear viscoelastic beam bending with piezoelectric control. Analytical and computational simulations. 2001 , 51, 195-203		13
678	A comparative investigation of electrical resistance and acoustic emission during cyclic loading of CFRP laminates. 2001 , 61, 831-835		52
677	Stress-relaxation behaviour in composites based on short oil-palm fibres and phenol formaldehyde resin. 2001 , 61, 1175-1188		54
676	Viscoelastic interphases in polymer matrix composites: theoretical models and finite-element analysis. 2001 , 61, 731-748		134
675	Finite deformation of a polymer: experiments and modeling. 2001 , 17, 1167-1188		139
674	A phenomenological constitutive law for the nonlinear viscoelastic behaviour of epoxy resins in the glassy state. 2001 , 20, 907-924		24

673	An experimental investigation of normal and shear stress interaction of an epoxy resin and model predictions. <i>Polymer Engineering and Science</i> , 2001 , 41, 2047-2060	2.3	8
672	A viscoelastic-viscoplastic constitutive model for glassy polymers. 2001 , 38, 5149-5164		72
671	Thermomechanical Behavior of Nonlinearly Viscoelastic Materials Under Harmonic Loading. 2001 , 37, 1400-1432		14
670	Phenomenological Models of Generalized Thermorheologically Simple Inelastic Ferromagnets. 2001 , 104, 1472-1482		
669	Material Behavior of Structural Reaction Injection Molded Composites under Thermomechanical Loading. 2001 , 35, 411-432		7
668	Effective Electroelastic Properties of a Piezocomposite with Viscoelastic and Dielectric Relaxing Matrix. 2001 , 12, 847-866		22
667	Dynamic mechanical behavior of filled polymers. II. Applications. 2001 , 90, 5535-5541		11
666	Stress Redistribution in Skin/Flange Assemblies. 2002 , 9, 257-272		2
665	Nonlinear Viscoelastic Finite Element Analyses of Thermosetting Polymeric Composites during Cool-Down after Curing. 2002 , 36, 3-17		13
664	Viscoelasticity. 2002 ,		5
663	Time-dependent micromechanical behavior in graphite/epoxy composites under constant load: a combined experimental and theoretical study. 2002 , 50, 365-377		17
662	A new constitutive equation for the long-term creep of polymers based on physical aging. 2002 , 21, 411-421		21
661	A coupled analysis of mechanical behaviour and ageing for polymer-matrix composites. 2002 , 62, 543-549		30
660	Influence of the fibre-matrix interface on the behaviour of polypropylene reinforced by short glass fibres above glass transition temperature. 2002 , 62, 2029-2036		15
659	Solution strategies for FEM analysis with nonlinear viscoelastic polymers. 2002 , 80, 1213-1229		27
658	Postbuckling analysis of imperfect non-linear viscoelastic cylindrical panels. 2002 , 37, 757-762		12
657	Homogenized Constitutive Equations for Linear Viscoelastic Unidirectional Composites with Growing Transverse Cracks. <i>Mechanics of Time-Dependent Materials</i> , 2002 , 6, 101-131	1.2	15
656	Modelling the Non-Linear Viscoelastic and Viscoplastic Behaviour of Aramid Fibre Yarns. <i>Mechanics of Time-Dependent Materials</i> , 2003 , 7, 291-303	1.2	44

655	Linear Viscoelastic Property Measurement and Its Significance for Some Nonlinear Viscoelasticity Models. <i>Mechanics of Time-Dependent Materials</i> , 2003 , 7, 209-250	1.2	45
654	Interrelation of creep and relaxation for nonlinearly viscoelastic materials: application to ligament and metal. 2003 , 42, 557-568		32
653	Photoplastic effect in polycarbonate using tensile deformation. 2003 , 90, 2703-2707		
652	A micromechanical constitutive framework for the nonlinear viscoelastic behavior of pultruded composite materials. 2003 , 40, 1037-1057		41
651	Time dependent deformation behavior of thermoplastic elastomers. 2003 , 44, 4589-4597		24
650	A continuum damage model for linear viscoelastic composite materials. <i>Mechanics of Materials</i> , 2003 , 35, 463-480	3.3	44
649	Tensile creep of thermoplastics: Time-strain superposition of non-iso free-volume data. 2003 , 41, 736-748		19
648	Mechanical behavior of a semicrystalline polymer before necking. Part II: Modeling of uniaxial behavior. <i>Polymer Engineering and Science</i> , 2003 , 43, 501-518	2.3	24
647	Deformation behavior of an epoxy resin subject to multiaxial loadings. Part II: Constitutive modeling and predictions. <i>Polymer Engineering and Science</i> , 2003 , 43, 734-748	2.3	39
646	Viscoelasticity and the Time-dependent Fracture of Polymers. 2003 , 383-428		7
645	Effect of Moisture on Mechanical Behaviour of Polymer by Experiments. 2003 , 251-252, 7-12		
644	Nonlinear Viscoelastic Response of a WoodPlastic Composite Including Temperature Effects. 2004 , 17, 427-445		23
643	MODELING THE PEEL PERFORMANCE OF PRESSURE-SENSITIVE ADHESIVES. 2004 , 80, 601-612		20
642	Determination of Material Constants for Nonlinear Viscoelastic Predictive Model. 2004 , 38, 19-29		14
641	Development of TTMSF to Predict the Performance of Discontinuous Natural Fibre-Polymer Composites. 2004 , 11, 201-208		3
640	Polymers for Solar Domestic Hot Water: Long-Term Performance of PB and Nylon 6,6 Tubing in Hot Water. 2004 , 126, 581-586		19
639	Yield and Crazeing in Polymers. 2004 ,		4
638	Viscoelastic behaviour and temporal fractal properties of lherzolite and marble: possible extrapolation from experimental results to the geological time-scale. 2004 , 16, 128-132		10

637	Non-linear viscoplastic behavior of fiber reinforced polymer composites. 2004 , 64, 2333-2340		10
636	A thermodynamically consistent, nonlinear viscoelastic approach for modeling glassy polymers. 2004 , 45, 4577-4597		125
635	Application of Nonlinear Superposition to Creep and Relaxation of Commercial Die-Casting Aluminum Alloys. <i>Mechanics of Time-Dependent Materials</i> , 2004 , 8, 385-402	1.2	2
634	Simplified Bulk Experiments and Hygrothermal Nonlinear Viscoelasticity. <i>Mechanics of Time-Dependent Materials</i> , 2004 , 8, 303-344	1.2	21
633	Numerical finite element formulation of the Schapery non-linear viscoelastic material model. 2004 , 59, 25-45		157
632	Numerical modelling of lap joints bonded with a rate-dependent adhesive. 2004 , 24, 355-366		60
631	A multi-scale constitutive formulation for the nonlinear viscoelastic analysis of laminated composite materials and structures. 2004 , 41, 3461-3490		77
630	Analysis of tongue and groove joints for thick laminates. <i>Composites Part B: Engineering</i> , 2004 , 35, 609-617		4
629	Study on Viscoelastic Properties of Cord Rubber Composite Subjected to Biaxial Loading. 2004 , 36, 143-158		1
628	Integrated Micromechanical-Structural Models for Long-term Behavior of FRP Composite Structures. 2004 ,		
627	An energy criterion to predict delayed failure of multi-directional polymer matrix composites based on a non-linear viscoelastic model. 2004 , 35, 559-571		14
626	A micromechanical model for nonlinear viscoelastic particle reinforced polymeric composite materials in undamaged state. 2004 , 35, 905-913		32
625	Nested nonlinear viscoelastic and micromechanical models for the analysis of pultruded composite materials and structures. <i>Mechanics of Materials</i> , 2004 , 36, 1087-1110	3.3	20
624	Influence de l'interface fibre/matrice sur le comportement jusqu'à rupture d'un polypropylène renforcé de fibres de verre courtes. 2005 , 6, 479-486		1
623	Application of time-stress equivalence to nonlinear creep of polycarbonate. 2005 , 24, 463-467		71
622	Viscoelastic response of woven composite substrates. 2005 , 65, 621-634		22
621	Theory of creep deformation with kinematic hardening for materials with different properties in tension and compression. 2005 , 21, 435-462		17
620	Maleated and non-maleated polyethylene/montmorillonite layered silicate blown films: creep, dispersion and crystallinity. 2005 , 46, 7323-7333		105

619	An Assessment of Nonlinearly Viscoelastic Constitutive Models for Cyclic Loading: The Effect of a General Loading/Unloading Rule. <i>Mechanics of Time-Dependent Materials</i> , 2005 , 9, 79-98	1.2	36
618	Cyclic deformation behavior of an epoxy polymer. Part II: Predictions of viscoelastic constitutive models. <i>Polymer Engineering and Science</i> , 2005 , 45, 103-113	2.3	63
617	Nonlinear Viscoelastic Creep Characterization of HDPE-Rice Husk Composites. 2005 , 13, 581-598		7
616	Temperature and Strain Rate Dependent Simulation of High Speed Tensile Tests of I-PP. 2005 , 25,		1
615	Multiscale Modeling for the Long-Term Behavior of Laminated Composite Structures. 2005 , 43, 1815-1822		8
614	A Sublaminar Model for Creep Buckling Analysis of Thick-Section FRP Composite Structures. 2005 ,		
613	Biaxial Stress Limit for ULDB Film. 2005 ,		2
612	Temperature-Stress Equivalency in Nonlinear Viscoelastic Creep Characterization of Thermoplastic/Agro-fiber Composites. 2006 , 19, 35-60		14
611	Multiscale Nonlinear Framework for the Long-Term Behavior of Layered Composite Structures. 2006 , 132, 1354-1362		3
610	Lifetime predictions of polymer matrix composites under constant or monotonic load. 2006 , 37, 703-715		34
609	Off-axis tensile creep rupture of unidirectional CFRP laminates at elevated temperature. 2006 , 37, 257-269		20
608	Cumulative Benioff strain-release, modified Omori's law and transient behaviour of rocks. 2006 , 424, 157-166		17
607	Irreversible thermodynamic and viscoelastic model for power-law relaxation and attenuation of rocks. 2006 , 427, 255-263		20
606	Application of the Theory of Mixtures to Temperature Stress Equivalency in Nonlinear Creep of Thermoplastic/Agro-fibre Composites. 2006 , 14, 455-472		2
605	High-density polyethylene/cycloolefin copolymer blends, part 2: Nonlinear tensile creep. <i>Polymer Engineering and Science</i> , 2006 , 46, 1363-1373	2.3	20
604	Characterization of thermo-mechanical and long-term behaviors of multi-layered composite materials. 2006 , 66, 2907-2924		21
603	Analysis for creep behavior and collapse of thick-section composite structures. 2006 , 73, 331-341		14
602	Application of finite strain viscoplasticity to polymeric fiber composites. 2006 , 22, 1287-1303		9

601	Prediction of nonlinear viscoelastic behavior of polymeric composites using an artificial neural network. 2006 , 22, 1367-1392	82
600	A constitutive equation for stratospheric balloon materials. 2006 , 37, 2087-2091	7
599	Non-linear tensile creep of polypropylene: Time-strain superposition and creep prediction. 2006 , 47, 346-356	66
598	Influence of excitation amplitude on the characteristics of nonlinear butyl rubber isolators. 2006 , 47, 83-104	9
597	Nonlinear creep behavior of viscoelastic polycarbonate. 2006 , 41, 531-536	32
596	Determination of the relaxation modulus of a linearly viscoelastic material. <i>Mechanics of Time-Dependent Materials</i> , 2006 , 10, 125-133	1.2 27
595	Finite ramp time correction method for non-linear viscoelastic material model. 2006 , 41, 1050-1056	13
594	A micromechanical finite element model for linear and damage-coupled viscoelastic behaviour of asphalt mixture. 2006 , 30, 1135-1158	51
593	A Homogenization Scheme for Nonlinear Viscoelastic Behaviors of Particulate Reinforced Composites. 2006 , 513	
592	Nonlinear Viscoelastic Constitutive Model for Thermoset Polymers. 2006 , 128, 579-585	15
591	The Thermo-Viscoelastic, Viscoplastic Characterization of Vetrotex 324Derakane 510A-40 Through Tg. 2006 , 128, 586-594	5
590	Effect of Stress-Induced Damage Evolution on Long-Term Creep Behavior of Nonlinear Viscoelastic Polymer. 2006 , 324-325, 731-734	4
589	Nonlinear Viscoelastic Analysis of Composites using Competing Micromechanical Models. 2006 , 40, 257-282	2
588	Nonlinear Viscoelastic Creep Prediction of HDPE-Agro-fiber Composites. 2006 , 40, 417-431	13
587	An experimentally-based viscoelastic constitutive model for polyurea, including pressure and temperature effects. 2006 , 86, 5847-5866	197
586	Multiscale Considerations in Modeling of Nonlinear Elastomers. 2007 , 8, 53-62	9
585	Five Parameter Endochronic Solid. 2007 , 14, 453-463	2
584	Analysis of Asphalt Pavement Materials and Systems. 2007 ,	1

583	Time-Temperature-Stress Equivalence Applied to Accelerated Characterization of Creep Behavior of Viscoelastic Polymer. 2007 , 353-358, 1386-1389	1
582	Development of Accelerated Lifetime Testing Technique of Engineering Plastics. 2007 , 345-346, 1341-1344	2
581	Application of Time-Temperature-Stress Superposition Principle to Nonlinear Creep of Poly(methyl methacrylate). 2007 , 340-341, 1091-1096	19
580	A Nonlinear Viscoelastic Modeling of Fiber Metal Laminates. 2007 , 91	
579	Modeling of Nonlinear Viscoelastic Creep of Polycarbonate. 2007 , 7,	4
578	A Constitutive Equation for Balloon Film. 2007 ,	3
577	Competing fracture in kinetically controlled transfer printing. 2007 , 23, 12555-60	233
576	Potential energy clock model: Justification and challenging predictions. 2007 , 51, 517-540	28
575	Fatigue Modeling as Related to Flexible Pavement Design. 2007 , 8, 165-205	6
574	Characterization of Asphalt Mix Response under Repeated Loading Using Anisotropic Nonlinear Viscoelastic-Viscoplastic Model. 2007 , 19, 912-924	45
573	Time-scale invariant changes in atmospheric radon concentration and crustal strain prior to a large earthquake. 2007 , 14, 123-130	23
572	Time-scale invariances in preseismic electromagnetic radiation, magnetization and damage evolution of rocks. 2007 , 7, 599-606	13
571	Durability of polymer matrix composites: Viscoelastic effect on static and fatigue loading. 2007 , 67, 2574-2583	51
570	Application of time-stress superposition to nonlinear creep of polyamide 66 filled with nanoparticles of various sizes. 2007 , 67, 2691-2698	59
569	Compression creep rupture behavior of a glass/vinyl ester composite laminate subject to fire loading conditions. 2007 , 67, 3187-3195	15
568	A concurrent micromechanical model for predicting nonlinear viscoelastic responses of composites reinforced with solid spherical particles. 2007 , 44, 6891-6913	35
567	Characteristics of accelerated lifetime behavior of polycarbonate under athermal and high loading frequency conditions. 2007 , 26, 839-845	8
566	Flexural properties of surface reinforced wood/plastic deck board. <i>Polymer Engineering and Science</i> , 2007 , 47, 281-288	2.3 31

565	Predictions of two nonlinear viscoelastic constitutive relations for polymers under multiaxial loadings. <i>Polymer Engineering and Science</i> , 2007 , 47, 593-607	2.3	9
564	Elasticity of uncrosslinked rubbers. 2007 , 48, 159-168		5
563	Fractional-order relaxation laws in non-linear viscoelasticity. 2007 , 19, 25-36		26
562	Model to predict the viscoelastic response of a semi-crystalline polymer under complex cyclic mechanical loading and unloading conditions. <i>Mechanics of Time-Dependent Materials</i> , 2007 , 11, 47-60	1.2	24
561	Nonlinearly viscoelastic analysis of asphalt mixes subjected to shear loading. <i>Mechanics of Time-Dependent Materials</i> , 2007 , 11, 91-110	1.2	53
560	A constitutive law for the failure behavior of medial collateral ligaments. 2007 , 6, 189-97		27
559	On modelling nonlinear viscoelastic effects in ligaments. 2008 , 41, 2659-66		58
558	A micro-to-meso sublaminar model for the viscoelastic analysis of thick-section multi-layered FRP composite structures. <i>Mechanics of Time-Dependent Materials</i> , 2008 , 12, 69-93	1.2	9
557	Influence of strain rate on fracture behavior of poly(methyl methacrylate). 2008 , 15, 555-559		1
556	Macroscopic failure of multilayered viscoelastic polymers. <i>Polymer Engineering and Science</i> , 2008 , 48, 267-276	2.3	2
555	A practical approach to modeling time-dependent nonlinear creep behavior of polyethylene for structural applications. <i>Polymer Engineering and Science</i> , 2008 , 48, 159-167	2.3	28
554	Some aspects of the mechanical response of BMI 5250-4 neat resin at 191°C: Experiment and modeling. 2008 , 107, 1378-1386		8
553	Time and temperature effect on the linear/nonlinear viscoelastic transition threshold of a polymeric system. 2008 , 108, 640-649		9
552	Proposal of the Boltzmann-like superposition principle for nonlinear tensile creep of thermoplastics. 2008 , 27, 596-606		37
551	Experimental and numerical investigation into nonlinear deformation of silicone rubber pads during ink transfer process. 2008 , 27, 778-791		16
550	The rate (time)-dependent mechanical behavior of the PMR-15 thermoset polymer at elevated temperature. 2008 , 27, 908-914		17
549	Recent advances in nonlinear passive vibration isolators. 2008 , 314, 371-452		663
548	Long-term creep behavior of SU-8 membranes: Application of the time-stress superposition principle to determine the master creep compliance curve. 2008 , 142, 242-249		28

547	Viscoelastic behaviour of pumpkin balloons. 2008 , 42, 1683-1690		11
546	Anisotropic creep modeling of coated textile membrane using finite element analysis. 2008 , 68, 1688-1696		17
545	A thermo-mechanical viscoelastic analysis of orthotropic materials. 2008 , 83, 61-72		45
544	Nonlinear viscoelastic analysis of unaged and aged asphalt binders. 2008 , 22, 2170-2179		80
543	A multi-scale framework for layered composites with thermo-rheologically complex behaviors. 2008 , 45, 2937-2963		28
542	A time-integration algorithm for thermo-rheologically complex polymers. 2008 , 41, 576-588		33
541	Finite element analysis of viscoelastic composite structures based on a micromechanical material model. 2008 , 43, 957-973		14
540	On the development and parameter identification of Schapery-type constitutive theories. <i>Mechanics of Time-Dependent Materials</i> , 2008 , 12, 95-127	1.2	33
539	Modelling accelerated ageing in polymer composites. 2008 , 224-281		5
538	Dye reorientation as a probe of stress-induced mobility in polymer glasses. 2008 , 128, 134902		65
537	Creep behavior and damage of wood-polymer composites. 2008 , 166-189		
536	Micromechanical Finite Element Models for Micro-Damage and Complex Constitutive Behavior of Asphalt Mixes. 2008 ,		
535	On the Nonlinear Creep and Recovery of Open Cell Earplug Foams. 2008 , 27, 165-178		3
534	Strain Rate Dependence and Short-Term Relaxation Behavior of a Thermoset Polymer at Elevated Temperature: Experiment and Modeling. 2009 , 131,		20
533	Dynamic Relaxation Nonlinear Viscoelastic Analysis of Annular Sector Composite Plate. 2009 , 43, 257-275		9
532	Humidity-dependent bending recovery and relaxation of human hair. 2009 , 113, 3336-3344		13
531	Effects of prior aging at 288°C in argon environment on time-dependent deformation behavior of a thermoset polymer at elevated temperature, Part 2: Modeling with viscoplasticity theory based on overstress. 2009 , 114, 3389-3395		1
530	A time-integration method for the viscoelastic-viscoplastic analyses of polymers and finite element implementation. 2009 , 79, 550-575		32

529	Responses of viscoelastic polymer composites with temperature and time dependent constituents. 2009 , 204, 155-173		25
528	Constitutive equations for ligament and other soft tissue: evaluation by experiment. 2009 , 205, 23-33		27
527	A multi-scale model for coupled heat conduction and deformations of viscoelastic functionally graded materials. <i>Composites Part B: Engineering</i> , 2009 , 40, 511-521	10	32
526	Viscoelastic properties of passive skeletal muscle in compression-cyclic behaviour. 2009 , 42, 1038-48		65
525	On the investigation of the stress threshold from linear to nonlinear viscoelastic behaviour of polymer-matrix particulate composites. <i>Mechanics of Time-Dependent Materials</i> , 2009 , 13, 261-274	1.2	7
524	Tensile creep of a long-fiber glass mat thermoplastic composite. I. Short-term tests. 2009 , 30, 1146-1157		7
523	Tensile creep of a long-fibre glass mat thermoplastic (GMT) composite. II. Viscoelastic-viscoplastic constitutive modeling. 2009 , 30, 1204-1211		5
522	Molecular mobility of poly(methyl methacrylate) glass during uniaxial tensile creep deformation. 2009 , 47, 1713-1727		60
521	Application of strain-time correspondence as a tool for structural analysis of acrylonitrile-butadiene copolymer nanocomposites with various organoclay loadings. 2009 , 45, 79-87		5
520	A simplified potential energy clock model for glassy polymers. 2009 , 50, 4257-4269		21
519	Characterizing and modeling the non-linear viscoelastic tensile deformation of a glass fiber reinforced polypropylene. 2009 , 69, 2460-2466		7
518	Finite element description of nonlinear viscoelastic behaviour of technical fabric. 2009 , 23, 1133-1140		21
517	Deformation-Induced Mobility in Polymer Glasses during Multistep Creep Experiments and Simulations. 2009 , 42, 4328-4336		94
516	Temperature effects on creep behavior of continuous fiber GMT composites. 2009 , 40, 1071-1081		24
515	A Nonlinear Plasto-Viscoelastic Constitutive Equation for Balloon Films. 2009 ,		4
514	Nonlinear Viscoelastic Response of Unidirectional Fiber-Reinforced Composites in Off-Axis Loading. 2009 , 28, 1793-1811		29
513	Rate Dependence and Short-Term Creep Behavior of a Thermoset Polymer at Elevated Temperature. 2009 , 131,		13
512	Effects of temperature and stress on the short- and long-term compressive behavior of expanded polystyrene. 2009 , 16, 374-383		8

511	Constitutive Relations. 14-54			1
510	The Rate (Time)-Dependent Mechanical Behavior of the PMR-15 Thermoset Polymer at 316°C: Experiments and Modeling. 2010 , 132,			2
509	On the influence of preloading in the nonlinear viscoelastic-viscoplastic response of carbon-epoxy composites. 2010 , 70, 922-929			7
508	Description of nonlinear viscoelastic behavior and creep-rupture time of anisotropic conductive film. 2010 , 527, 5115-5121			18
507	A Numerical Simulation of Time-Dependent Interface Failure Under Shear and Compressive Loads in Single-Fiber Composites. 2010 , 17, 31-41			22
506	Micro-Macro Analysis of Viscoelastic Unidirectional Laminated Composite Plates Using DR Method. 2010 , 17, 427-440			16
505	Effective thermal properties of viscoelastic composites having field-dependent constituent properties. 2010 , 209, 153-178			28
504	Analytical expressions for stress and displacement fields in viscoelastic axisymmetric plane problem involving time-dependent boundary regions. 2010 , 210, 315-330			25
503	Nonlinear electro-thermo-viscoelasticity. 2010 , 211, 49-59			12
502	A dielectric study of poly(vinyl acetate) using a pulse-probe technique. 2010 , 102, 477-484			14
501	A continuous threshold model for the visco-elasto-plastic behavior of PET based multi-layer polymeric films. <i>Mechanics of Time-Dependent Materials</i> , 2010 , 14, 25-45	1.2		5
500	Time integration in linear viscoelasticity—a comparative study. <i>Mechanics of Time-Dependent Materials</i> , 2010 , 14, 307-328	1.2		30
499	On finite-element implementation strategies of Schapery-type constitutive theories. <i>Mechanics of Time-Dependent Materials</i> , 2010 , 14, 359-387	1.2		19
498	Micromechanical viscoelasto-plastic models and finite element implementation for rate-independent and rate-dependent permanent deformation of stone-based materials. 2010 , 34, 1321-1345 ³			
497	Studies of thin film nonlinear viscoelasticity for superpressure balloons. 2010 , 45, 56-60			15
496	Modeling the response of monofilament nylon cords with the nonlinear viscoelastic, simplified potential energy clock model. 2010 , 51, 1530-1539			3
495	Linear viscoelastic behavior of poly(ethylene terephthalate) above T _g amorphous viscoelastic properties Vs crystallinity: Experimental and micromechanical modeling. 2010 , 51, 5229-5235			8
494	A micro-damage healing model that improves prediction of fatigue life in asphalt mixes. 2010 , 48, 966-990			137

493	Nonlinear viscoelastic analysis of thick-walled cylindrical composite pipes. <i>International Journal of Mechanical Sciences</i> , 2010 , 52, 1064-1073	5.5	26
492	A micromechanical formulation for piezoelectric fiber composites with nonlinear and viscoelastic constituents. 2010 , 58, 3332-3344		41
491	Development of viscoplastic strains during creep in continuous fibre GMT composites. <i>Composites Part B: Engineering</i> , 2010 , 41, 48-57	10	14
490	Thermo-viscoelastic responses of multilayered polymer composites: Experimental and numerical studies. 2010 , 92, 2641-2652		13
489	A combined viscoelastic-viscoplastic behavior of particle reinforced composites. 2010 , 47, 580-594		18
488	Deformation induced evolution of mobility in PMMA. 2010 , 48, 2399-2401		27
487	Separating stress and time dependent effects in the temperature dependent creep of polyethylene nanocomposites. <i>Polymer Engineering and Science</i> , 2010 , 50, 1646-1657	2.3	4
486	Cyclic interaction between normal and shear stresses of an epoxy polymer. Experiments and model predictions. <i>Polymer Engineering and Science</i> , 2010 , 50, 919-928	2.3	3
485	Non-linear Viscoelastic-Viscoplastic Constitutive Modelling of Creep in Continuous Fibre Glass Mat Thermoplastic Composites. 2010 , 17, 213-226		0
484	Single- and Multi-objective Optimization of Composite Structures: The Influence of Design Variables. 2010 , 44, 457-480		22
483	Nonlinear Viscoelastic Fracture Mechanics Using Boundary Elements. 2010 , 454, 137-148		1
482	A Nonlinear Viscoelastic Constitutive Model of Aged Asphalt Mixture. 2010 ,		2
481	Relaxation of creep strain in paper. 2010 , 2010, P07019		7
480	Dynamics of a colloidal glass during stress-mediated structural arrest. 2010 , 90, 28003		28
479	A thermomechanical framework for non-linear hyperviscoelastic materials. 2010 , 54, 619-642		4
478	On the Nonlinear Viscoelastic Behaviour of the PVC-Coated Fabric. 2010 , 160-162, 1476-1481		1
477	Creep of plain weave polymer matrix composites under on-axis and off-axis loading. 2010 , 41, 1289-1300		9
476	Wrinkling of Orthotropic Viscoelastic Membranes. 2010 ,		1

475	Equivalences and Contrasts of Thermo-Elasticity and Thermo-Viscoelasticity: A Comprehensive Critique. 2011 , 34, 488-535		6
474	Numerical implementation and validation of a nonlinear viscoelastic and viscoplastic model for asphalt mixes. 2011 , 12, 433-447		38
473	Three-Dimensional Simulations of Asphalt Pavement Permanent Deformation Using a Nonlinear Viscoelastic and Viscoplastic Model. 2011 , 23, 56-68		72
472	Thermo-mechanical Viscoelastic, Viscoplastic, and Viscodamage Model for Polymers and Polymer Composites. 2011 ,		1
471	Nonlinear Hysteretic Response of Piezoelectric Ceramics. 2011 ,		1
470	A Brief Review of Elasticity and Viscoelasticity for Solids. 2011 , 3, 1-51		107
469	Extending the EGP constitutive model for polymer glasses to multiple relaxation times. 2011 , 59, 2191-2207		74
468	Coupled viscoelastic-viscoplastic modeling of homogeneous and isotropic polymers: Numerical algorithm and analytical solutions. 2011 , 200, 3381-3394		44
467	Mechanistic Approach to Structural Fire Modeling of Composites. 2011 , 47, 941-983		9
466	A semi-analytical integration method for the numerical simulation of nonlinear visco-elasto-plastic materials. <i>Mechanics of Time-Dependent Materials</i> , 2011 , 15, 139-167	1.2	7
465	Estimation of long-term creep behavior of polycarbonate by stress-time superposition and effects of physical aging. <i>Mechanics of Time-Dependent Materials</i> , 2011 , 15, 41-50	1.2	11
464	Two features of the uniaxial compression of a glassy epoxy resin: the yield stress rate-dependence and the volumetric instability. <i>Mechanics of Time-Dependent Materials</i> , 2011 , 15, 255-275	1.2	10
463	Analysis of creep behavior in thermoplastics based on visco-elastic theory. <i>Mechanics of Time-Dependent Materials</i> , 2011 , 15, 293-308	1.2	20
462	Solutions for a viscoelastic axisymmetric plane problem involving time-dependent boundary regions under mixed boundary condition. 2011 , 216, 59-73		4
461	A formulation to model the nonlinear viscoelastic properties of the vascular tissue. 2011 , 217, 63-74		34
460	Changes in the response of viscoelastic solids to changes in their internal structure. 2011 , 217, 297-316		8
459	Nonlinear Viscoelastic Response of Unidirectional Polymeric Laminated Composite Plates Under Bending Loads. 2011 , 18, 471-483		5
458	Time dependent behavior of ferroelectric materials undergoing changes in their material properties with electric field and temperature. 2011 , 48, 2718-2731		30

457	Mesomechanical modeling of the thermo-viscoelastic, thermo-viscoplastic, and thermo-viscodamage response of asphalt concrete. 2011 , 3, 14-33	26
456	A thermo-viscoelastic-viscoplastic-viscodamage constitutive model for asphaltic materials. 2011 , 48, 191-207	151
455	A mean-field micromechanical approach to design of multiphase composite laminates. 2011 , 528, 3232-3242	7
454	Modeling the non-linear viscoelastic response of high temperature polyimides. <i>Mechanics of Materials</i> , 2011 , 43, 54-61	3-3 13
453	TIME-DEPENDENT MECHANICAL BEHAVIOR OF CARBON BLACK FILLED ELASTOMERS. 2011 , 84, 296-324	9
452	Viscoelastic constitutive modeling of creep and stress relaxation in polymers and polymer matrix composites. 2011 , 3-47	14
451	Micromechanical Analysis of Nonlinear Viscoelastic Unidirectional Fiber-Reinforced Composites. 2011 , 110-116, 1166-1170	1
450	The Rate (Time)Dependent Mechanical Behavior of the PMR-15 Thermoset Polymer at Temperatures in the 274B16 °C Range: Experiments and Modeling. 2011 ,	
449	Large Strain Viscoelastic Model for Balloon Film. 2011 ,	4
448	Time-dependent failure criteria for lifetime prediction of polymer matrix composite structures. 2011 , 366-405	1
447	Mesomechanical Modeling of Polymer/Clay Nanocomposites Using a Viscoelastic-Viscoplastic-Viscodamage Constitutive Model. 2011 , 133,	11
446	Linear low density polyethylene/cycloolefin copolymer blends. 2011 , 5, 23-37	34
445	Linear Viscoelastic Behavior of Poly(Ethylene Therephtalate) Above Tg Amorphous Visco-elastic Property VS Crystallinity: Experimental and Micromechanical Modeling. 2011 , 33-37	
444	Experimental characterization and finite element implementation of soft tissue nonlinear viscoelasticity. 2012 , 134, 114501	23
443	Generalized Fractional Derivative Anisotropic Viscoelastic Characterization. <i>Materials</i> , 2012 , 5, 169-191	3.5 12
442	A Simplified Micromechanical Model for Analyzing Viscoelastic-Viscoplastic Response of Unidirectional Fiber Composites. 2012 , 134,	3
441	Time-Temperature-Stress Superposition Principle: Brief Description and Application to Polymer Creep Behavior. 2012 , 602-604, 681-684	1
440	Material Modeling by Endochronic Theory: The Virginia Tech Experience. 2012 , 13, 329-333	2

439	Wrinkling of Orthotropic Viscoelastic Membranes. 2012 , 50, 668-681		21
438	Constitutive Model of Solid Propellant with Mechanical Damage and Aging. 2012 , 198-199, 197-201		0
437	The Rate (Time)-Dependent Mechanical Behavior of the PMR-15 Thermoset Polymer at Temperatures in the 274B16 °C Range: Experiments and Modeling. 2012 , 134,		3
436	Non-linear Viscoelastic Behaviour. 2012 , 285-318		
435	Comparing finite element and constitutive modelling techniques for predicting rutting of asphalt pavements. 2012 , 13, 322-338		55
434	Uniaxial nonlinear viscoelastic viscoplastic modeling of polypropylene. <i>Mechanics of Time-Dependent Materials</i> , 2012 , 16, 275-286	1.2	12
433	A numerical solution for contact problem with finite deformation in nonlinear Schapery viscoelastic solids. 2012 , 3, 141-151		2
432	Stochastic Model for Volume Relaxation in Glass Forming Materials: Local Specific Volume Model. 2012 , 45, 7237-7259		19
431	On the use of linear viscoelastic constitutive relations to model asphalt. 2012 , 13, 360-373		3
430	Interpreting asphalt concrete creep behaviour through non-Newtonian mastic rheology. 2012 , 13, 266-278		10
429	Nonlinear Viscoelasticity. 2012 , 67-76		4
428	Hygrothermal Viscoelastic Response. 2012 , 95-121		
427	Modeling of the nonlinear viscoelasticity of polyoxymethylene in tension and compression. 2012 , 60, 37-52		13
426	Construction of triaxial dynamic modulus master curve for asphalt mixtures. 2012 , 37, 21-26		24
425	Deformation and flow of matter: Interrogating the physics of materials using rheological methods). 2012 , 56, 113-158		14
424	Environmental Resistance of High Performance Polymeric Matrices and Composites. 2012 , 1		4
423	Matrix-Controlled Failure Modes of Polymeric Composites. 2012 , 1		
422	Physical Aging in Glasses and Composites. 2012 , 237-309		7

421	Long-Term Durability of Polymeric Matrix Composites. 2012 ,		23
420	Viscoelastic constitutive model for uniaxial time-dependent ratcheting of polyetherimide polymer. <i>Polymer Engineering and Science</i> , 2012 , 52, 1874-1881	2,3	21
419	Response of fly ash-reinforced functionally graded rubber composites subjected to mechanical loading. 2012 , 48, 89-100		3
418	Analysis of reversible and irreversible strains in the creep of a nonlinear viscoelastic polymer. 2012 , 48, 209-216		7
417	Exposing the nonlinear viscoelastic behavior of asphalt-aggregate mixes. <i>Mechanics of Time-Dependent Materials</i> , 2012 , 16, 129-143	1.2	12
416	Micromechanics-based viscoelastic damage model for particle-reinforced polymeric composites. 2012 , 223, 1307-1321		17
415	Damage mechanics of porcine flexor tendon: mechanical evaluation and modeling. 2012 , 40, 1692-707		25
414	Predictions of viscoelastic strain rate dependent behavior of fiber-reinforced polymeric composites. 2012 , 94, 1420-1429		31
413	Three-dimensional microstructural modeling of asphalt concrete using a unified viscoelastic-viscoplastic-viscodamage model. 2012 , 28, 531-548		87
412	A thermodynamic framework for constitutive modeling of time- and rate-dependent materials. Part I: Theory. 2012 , 34, 61-92		83
411	A thermodynamic framework for constitutive modeling of time- and rate-dependent materials. Part II: Numerical aspects and application to asphalt concrete. 2012 , 35, 67-99		62
410	A modified viscoplastic model to predict the permanent deformation of asphaltic materials under cyclic-compression loading at high temperatures. 2012 , 35, 100-134		64
409	Pseudo-bistable self-actuated domes for morphing applications. 2012 , 49, 1077-1087		61
408	Thermodynamic-based model for coupling temperature-dependent viscoelastic, viscoplastic, and viscodamage constitutive behavior of asphalt mixtures. 2012 , 36, 817-854		56
407	Characterization of linear viscoelastic properties of asphalt concrete subjected to confining pressure. <i>Mechanics of Time-Dependent Materials</i> , 2013 , 17, 449-463	1.2	10
406	Effect of confinement pressure on the nonlinear-viscoelastic response of asphalt concrete at high temperatures. 2013 , 47, 779-788		35
405	Observation of yield in triaxial deformation of glassy polymers. 2013 , 54, 2821-2833		12
404	Prediction of the relationship between the rate of deformation and the rate of stress relaxation in glassy polymers. 2013 , 54, 6599-6607		15

403	Nonlinear stress relaxation in an epoxy glass and its relationship to deformation induced mobility. 2013 , 54, 3949-3960		25
402	Mechanical and time-dependent behavior of wood-plastic composites subjected to tension and compression. 2013 , 26, 968-987		13
401	Constitutive Modeling of Cyclic Viscoplastic Response of Asphalt Concrete. 2013 , 2373, 22-33		2
400	The response of a glassy polymer in a loading/unloading deformation: The stress memory experiment. 2013 , 54, 5993-6002		14
399	Experimental and numerical investigations on the time-dependent behavior of woven-ply PPS thermoplastic laminates at temperatures higher than glass transition temperature. 2013 , 49, 165-178		25
398	Modeling nonlinear creep and recovery behaviors of synthetic fiber ropes for deepwater moorings. 2013 , 39, 113-120		24
397	Cyclic Hardening-Relaxation Viscoplasticity Model for Asphalt Concrete Materials. 2013 , 139, 832-847		18
396	Mechanistic-based constitutive modeling of oxidative aging in aging-susceptible materials and its effect on the damage potential of asphalt concrete. 2013 , 41, 439-454		61
395	Modeling time-dependent and inelastic response of fiber reinforced polymer composites. 2013 , 70, 37-50		11
394	Modeling the constitutive and frictional behavior of PTFE flexible stamps for nanoimprint lithography. 2013 , 106, 1-8		8
393	Constitutive modeling of the nonlinearly viscoelastic response of asphalt binders; incorporating three-dimensional effects. <i>Mechanics of Time-Dependent Materials</i> , 2013 , 17, 83-109	1.2	17
392	Modeling of nonlinear viscoelastic contact problems with large deformations. 2013 , 37, 6730-6745		12
391	Viscoelastic-adhesive contact modeling: Application to the characterization of the viscoelastic behavior of materials. <i>Mechanics of Materials</i> , 2013 , 60, 55-65	3.3	21
390	Analysis of quasistatic frictional contact problems in nonlinear viscoelasticity with large deformations. <i>International Journal of Mechanical Sciences</i> , 2013 , 66, 109-119	5.5	10
389	A new class of quasi-linear models for describing the nonlinear viscoelastic response of materials. 2013 , 224, 2169-2183		31
388	Characterization and Modeling of Polymeric Matrix Under Static and Dynamic Loading. 2013 , 73-84		4
387	Dynamic Relaxation Nonlinear Viscoelastic Bending Analysis of Higher-Order Annular Sector Plates. 2013 , 14, 414-423		2
386	Modeling of creep for multiwall carbon nanotube/epoxy nanocomposite. 2013 , 129, 3314-3324		9

385	Nonlinear response of viscoelastic polyoxymethylene (POM) at elevated temperatures. 2013 , 54, 1208-1217	12
384	Comment on the use of the associated flow rule for transversely isotropic elasto-viscoplastic materials. 2013 , 51, 132-144	8
383	Finite element implementation of a macromolecular viscoplastic polymer model. 2013 , 94, 895-919	12
382	Development of a stochastic constitutive model for prediction of postyield softening in glassy polymers. 2013 , 57, 949-1002	29
381	Continuum Coupled Moisture-Mechanical Damage Model for Asphalt Concrete. 2013 , 2372, 72-82	22
380	A Unified Approach to Characterizations of Isotropic Linear Viscoelastic Moduli and Compliances without Use of Poisson's Ratios Directly from 1-D Tensile Experiments. 2013 ,	1
379	Linear and Nonlinear Viscoelastic Analysis of Bituminous Mortar. 2013 , 2370, 53-62	12
378	Three-Dimensional Microstructural Modeling of Asphalt Concrete by Use of X-Ray Computed Tomography. 2013 , 2373, 63-70	22
377	Effect of multiple step creep/creep recovery loading on non-linear viscoelastic response of carbon fibre reinforced polymers. 2013 , 42, 315-322	3
376	Nonlinear viscoelastic approach to model damage-associated performance behavior of asphaltic mixture and pavement structure. 2013 , 40, 313-323	20
375	Nonlinear viscoelastic constitutive model for organic laminate substrate. 2013 ,	
374	Development of characterisation models for incremental permanent deformation model for asphalt concrete in confined compression. 2013 , 14, 266-288	8
373	Nonlinear Viscoelastic Behavior of Asphalt Concrete and Its Implication for Fatigue Modeling. 2013 , 2373, 100-108	6
372	Development of Calibration Testing Protocol for Permanent Deformation Model of Asphalt Concrete. 2013 , 2373, 34-43	11
371	NONLINEAR ANALYSIS OF VISCOELASTICALLY LAYERED ROLLS IN STEADY STATE ROLLING CONTACT. 2014 , 06, 1450065	2
370	Uncertainty in Characterizations of Isotropic Linear Viscoelastic Shear and Bulk Moduli from 1 - D Tensile Experiments. 2014 ,	0
369	Nonlinear Viscoelastic Behavior of Active Fiber Composites. 2014 , 136,	1
368	Computational Viscoplasticity Based on Overstress (CVBO) Model. 2014 , 15, 142-157	

367	The effect of temperature on creep behavior of wood-plastic composites. 2014 , 33, 883-892	5
366	Modeling of nonlinear viscoelastic-viscoplastic frictional contact problems. 2014 , 74, 103-117	2
365	Mobility evolution during tri-axial deformation of a glassy polymer. 2014 , 55, 1570-1573	7
364	Three-Dimensional Microstructural Modeling Framework for Dense-Graded Asphalt Concrete Using a Coupled Viscoelastic, Viscoplastic, and Viscodamage Model. 2014 , 26, 607-621	12
363	The use of stress sweep tests for asphalt mixtures nonlinear viscoelastic and fatigue damage responses identification. 2014 , 47, 895-909	9
362	The compressive behaviour of composites including fiber kinking: modelling across the scales. 2014 , 49, 2571-2586	21
361	Analysis of nonlinear shear stress-strain response of unidirectional GF/EP composite. 2014 , 62, 67-76	20
360	Analysis of nonlinear thermo-viscoelastic-viscoplastic contacts. 2014 , 78, 1-17	5
359	Creep and recovery behavior characterization of asphalt mixture in compression. 2014 , 54, 504-511	26
358	Microstructural modeling of asphalt concrete using a coupled moisture-mechanical constitutive relationship. 2014 , 51, 4260-4279	28
357	Thermomechanical Analysis and Processing of Polymer Blends. 2014 , 393-416	
356	Response of frictional contact problems in thermo-rheologically complex structures. 2014 , 49, 2879-2900	2
355	Characterization and modeling of polymeric matrix under multi-axial static and dynamic loading. 2014 , 102, 113-119	22
354	Loaded rubber-like materials subjected to small-amplitude vibrations. 2014 , 32, 620-632	2
353	A three-dimensional constitutive model for the stress relaxation of articular ligaments. 2014 , 13, 653-63	7
352	NONLINEAR ANALYSIS OF FRICTIONAL THERMO-VISCOELASTIC CONTACT PROBLEMS USING FEM. 2014 , 06, 1450028	7
351	Nonlinear granular micromechanics model for multi-axial rate-dependent behavior. 2014 , 51, 2272-2282	38
350	Calibration and Validation of a Comprehensive Constitutive Model for Asphalt Mixtures. 2014 , 2447, 13-22	7

349	Modeling of Natural Fiber Composites. 2015 , 221-254		
348	Importance of Rubber Characteristics in the Frictional Response of Asphalt Concrete Surfaces. 2015 , 2525, 54-61		0
347	An inverse method for determining the spatially resolved properties of viscoelastic-viscoplastic three-dimensional printed materials. 2015 , 471, 20150477		5
346	Creep buckling of shell structures. 2015 , 2, 14-00522-14-00522		30
345	A viscoelastic-plastic constitutive model for uniaxial ratcheting behaviors of polycarbonate. <i>Polymer Engineering and Science</i> , 2015 , 55, 2559-2565	2.3	10
344	Biaxial mechanical properties of swine uterosacral and cardinal ligaments. 2015 , 14, 549-60		21
343	Creep loading response and complete loading-unloading investigation of industrial anti-vibration systems. 2015 , 46, 134-143		7
342	Large-Strain Viscoelastic Constitutive Models for Thin Polyethylene Films. 2015 ,		
341	Modeling of viscoplastic cyclic loading behavior of polymers. <i>Mechanics of Time-Dependent Materials</i> , 2015 , 19, 439-453	1.2	4
340	A review of fracture in viscoelastic materials. 2015 , 196, 99-146		53
339	Analysis of Steady-State Rolling Contact Problems in Nonlinear Viscoelastic Materials. 2015 , 137,		3
338	Development and Validation of a Uniaxial Nonlinear Viscoelastic Viscoplastic Stress Model for a Fuel Cell Membrane. 2015 , 12,		3
337	Long-Term Creep Behavior of Flax/Vinyl Ester Composites Using Time-Temperature Superposition Principle. 2015 , 3, 224-233		21
336	Nonlinear viscoelastic analysis of asphalt cement and asphalt mastics. 2015 , 16, 510-529		23
335	Modeling and simulation of the deformation process of PTFE flexible stamps for nanoimprint lithography on curved surfaces. 2015 , 216, 418-429		10
334	A nonlinear integral model for describing responses of viscoelastic solids. 2015 , 58, 146-156		18
333	Mechanoactivation of Spiropyran Covalently Linked PMMA: Effect of Temperature, Strain Rate, and Deformation Mode. 2015 , 48, 1335-1342		52
332	Nonlinear Viscoelastic Model for Describing the Response of Asphalt Binders within the Context of a Gibbs-Potential-Based Thermodynamic Framework. 2015 , 141, 04014116		12

331	Three-dimensional microstructural modelling of coupled moisture-mechanical response of asphalt concrete. 2015 , 16, 445-466		15
330	Thermomechanical viscoelastic response of a unidirectional graphite/polyimide composite at elevated temperatures using a micromechanical approach. 2015 , 49, 519-534		7
329	Modeling creep in polymeric composites: Developing a general integrated procedure. <i>International Journal of Mechanical Sciences</i> , 2015 , 99, 112-120	5.5	28
328	Non-linear material modeling of fiber-reinforced polymers based on coupled viscoelasticity-viscoplasticity with anisotropic continuous damage mechanics. 2015 , 132, 527-535		20
327	Analyses of viscoelastic solid polymers undergoing degradation. <i>Mechanics of Time-Dependent Materials</i> , 2015 , 19, 397-417	1.2	1
326	A creep-rupture model of synthetic fiber ropes for deepwater moorings based on thermodynamics. 2015 , 52, 234-244		12
325	Constitutive Modeling of High Strain-Rate Elastomeric Polymers. 2015 , 115-186		1
324	Nonlinear Viscoelasticity. 2015 , 339-377		
323	Accelerated ratcheting testing of polycarbonate using the time-temperature-stress equivalence method. 2015 , 44, 8-14		14
322	Uniaxial creep property and viscoelastic-plastic modelling of ethylene tetrafluoroethylene (ETFE) foil. <i>Mechanics of Time-Dependent Materials</i> , 2015 , 19, 21-34	1.2	22
321	Model for prediction of simultaneous time-dependent damage evolution in multiple plies of multidirectional polymer composite laminates and its influence on creep. <i>Composites Part B: Engineering</i> , 2015 , 79, 359-373	10	7
320	Viscoelasticity using reactive constrained solid mixtures. 2015 , 48, 941-7		18
319	3D Nonlinear Viscoelastic-Viscoplastic Model for Ramming Paste Used in a Hall-Héroult Cell. 2015 , 141, 04014158		1
318	Viscoelastic Tension-Compression Nonlinearity in Asphalt Concrete. 2015 , 27, 04015048		4
317	A three-dimensional thermo-viscoelastic analysis of process-induced residual stress in composite laminates. 2015 , 129, 60-69		73
316	Modeling nonlinear time-dependent behaviors of synthetic fiber ropes under cyclic loading. 2015 , 109, 207-216		7
315	Stochastic model prediction of nonlinear creep in glassy polymers. 2015 , 74, 235-253		11
314	High Strain Composites. 2015 ,		23

313	Development and verification of a multi-body dynamic model for seat-occupant system of manned spacecraft. 2015 , 229, 245-258		
312	Thermomechanics-based nonlinear rate-dependent coupled damage-plasticity granular micromechanics model. 2015 , 27, 787-817		54
311	Application of a large deformation nonlinear-viscoelastic viscoplastic viscodamage constitutive model to polymers and their composites. 2015 , 24, 198-244		28
310	Determination of the viscoelastic interfacial properties between silica and SNR-based materials via a semi-empirical approach. <i>Mechanics of Materials</i> , 2015 , 80, 1-12	3-3	1
309	Constitutive Modeling of the Coupled Moisture-Mechanical Response of Particulate Composite Materials with Application to Asphalt Concrete. 2015 , 141, 04014120		9
308	Un enfoque de polinomio de expansi3n de caos al an3lisis de la incerteza en elementos estructurales visco el3sticos. 2016 , 83, 172		4
307	Micromechanical investigation of creep-recovery behavior of carbon nanotube-reinforced polymer nanocomposites. <i>International Journal of Mechanical Sciences</i> , 2016 , 115-116, 45-55	5-5	62
306	Time-Dependent Uniaxial Ratchetting of Ultrahigh Molecular Weight Polyethylene Polymer: Viscoelastic-Viscoplastic Constitutive Model. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2016 , 83,	2-7	14
305	Effect of service temperature on the shear creep response of rigid polyurethane foam used in composite sandwich floor panels. 2016 , 118, 235-244		29
304	The creep behavior of long fiber reinforced thermoplastics examined by microstructural simulations. 2016 , 131, 1-11		14
303	Thermoviscoelastic models for polyethylene thin films. <i>Mechanics of Time-Dependent Materials</i> , 2016 , 20, 13-43	1-2	14
302	Numerical prediction and experiment on rubber creep and stress relaxation using time-dependent hyperelastic approach. 2016 , 52, 246-253		13
301	Incremental forms of Schapery's model: convergence and inversion to simulate strain controlled ramps. <i>Mechanics of Time-Dependent Materials</i> , 2016 , 20, 535-552	1-2	4
300	A rate-type nonlinear viscoelastic-viscoplastic cyclic constitutive model for polymers: Theory and application. <i>Polymer Engineering and Science</i> , 2016 , 56, 1375-1381	2-3	3
299	Creep and recovery behavior analysis of space mesh structures. 2016 , 128, 455-463		4
298	Form Finding of Cable Net Reflector Antennas Considering Creep and Recovery Behaviors. 2016 , 53, 610-618		10
297	Time and temperature dependent mechanical behavior of HFPE-II-52 polyimide at high temperature. <i>Mechanics of Materials</i> , 2016 , 100, 86-95	3-3	9
296	Creep behavior and lifetime prediction of PMMA immersed in liquid scintillator. 2016 , 53, 323-328		19

295	Viscoelastic-based approach to evaluate low temperature performance of asphalt binders. 2016 , 128, 384-398		24
294	Effect of thickness and boundary conditions on the behavior of viscoelastic layers in sliding contact with wavy profiles. 2016 , 95, 517-529		39
293	Method for correction of differential stress calculations from experiments using the solid salt assembly in a Griggs-type deformation apparatus. 2016 , 672-673, 170-176		6
292	Modelling the nonlinear viscoelastic response of asphalt binders. 2016 , 17, 123-132		9
291	Improved Viscoelastic Analysis of Laminated Composite and Sandwich Plates With an Enhanced First-Order Shear Deformation Theory. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2016 , 83,	2.7	7
290	Viscoelastic-Viscoplastic Cyclic Deformation of Polycarbonate Polymer: Experiment and Constitutive Model. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2016 , 83,	2.7	23
289	Durability and prediction models of fiber-reinforced polymer composites under various environmental conditions: A critical review. 2016 , 35, 179-211		56
288	Effect of service temperature on the flexural creep of vacuum infused GFRP laminates used in sandwich floor panels. <i>Composites Part B: Engineering</i> , 2016 , 90, 160-171	10	10
287	Optimization criterion of viscoelastic response model for asphalt binders. 2016 , 113, 553-560		8
286	Viscoelastic Nonlinear Multilayered Model for Asphalt Pavements. 2016 , 142, 04016044		7
285	Physics-Based Multiscale Creep Strain and Creep Rupture Modeling for Composite Materials. 2016 , 54, 703-711		3
284	Modelling approaches for evaluating multiscale tendon mechanics. 2016 , 6, 20150044		25
283	A differential approach to finite element modelling of isotropic and transversely isotropic viscoelastic materials. <i>Mechanics of Materials</i> , 2016 , 97, 76-91	3.3	25
282	Development of a synergistic damage mechanics model to predict evolution of ply cracking and stiffness changes in multidirectional composite laminates under creep. 2016 , 25, 1060-1078		5
281	A thermo-viscoelastic model of process-induced residual stresses in composite structures with considering thermal dependence. 2016 , 136, 34-43		74
280	Dynamic Behavior of Materials, Volume 1. 2016 ,		1
279	A stochastic viscoelastic-Viscoplastic constitutive model and its application to crumb rubber modified asphalt mixtures. 2016 , 89, 802-809		26
278	A continuum damage model for asphalt cement and asphalt mastic fatigue. 2016 , 82, 387-401		53

277	Geometrically and materially nonlinear creep behaviour of reinforced concrete columns. 2016 , 5, 1-12	9
276	Analysis of nanocontact problems of layered viscoelastic solids with surface energy effects under different loading patterns. 2016 , 227, 527-548	9
275	Natural fiber composite: Challenges simulating inelastic response in strain-controlled tensile tests. 2016 , 50, 575-587	10
274	Characterization and calibration of a viscoelastic simplified potential energy clock model for inorganic glasses. 2016 , 432, 545-555	1
273	The use of fractional calculus to model the experimental creep-recovery behavior of modified bituminous binders. 2016 , 49, 45-55	14
272	Influence of surface energy on the nanoindentation response of elastically-layered viscoelastic materials. 2016 , 12, 193-209	7
271	Backcalculation of viscoelastic and nonlinear flexible pavement layer properties from falling weight deflections. 2016 , 17, 388-402	35
270	Introducing realistic tire-pavement contact stresses into Pavement Analysis using Nonlinear Damage Approach (PANDA). 2017 , 18, 1027-1038	19
269	Modelling asphalt concrete viscoelasticity with damage and healing. 2017 , 18, 811-823	4
268	Multiscale testing-analysis of asphaltic materials considering viscoelastic and viscoplastic deformation. 2017 , 18, 783-797	22
267	Large Deflections of Nonlinear Elastic and Viscoelastic Columns with Follower Loads: the Elastica and Viscoelastica Problems. 2017 ,	
266	A new path-dependent constitutive model predicting cure-induced distortions in composite structures. 2017 , 95, 183-196	25
265	Constitutive modeling of hardening-relaxation response of asphalt concrete in cyclic compressive loading. 2017 , 137, 169-184	22
264	Viscoelastic Properties of Human Tracheal Tissues. 2017 , 139,	12
263	Experimental and numerical characterization of a polymeric Hopkinson bar by DTMA. 2017 , 103, 50-63	15
262	Stochastic Viscoelastic-Viscoplastic Response of Asphalt Mixture under Uniaxial Compression. 2017 , 143, 04017049	4
261	Kinetics of degradation-induced polymer luminescence: Polyamide under dry heat exposure. 2017 , 140, 114-125	10
260	Mechanistic Modeling to Evaluate Structural Performance of Bituminous Pavements with Inelastic Deformation and Fatigue Damage of Mixtures. 2017 , 143, 04016126	4

259	Development of a stress-mode sensitive viscoelastic constitutive relationship for asphalt concrete: experimental and numerical modeling. <i>Mechanics of Time-Dependent Materials</i> , 2017 , 21, 383-417	1.2	14
258	Examining Energy Dissipation of Deployable Aerospace Composites Using Matrix Viscoelasticity. 2017 , 30, 04017040		8
257	High-resolution analysis of the mechanical behavior of tissue. 2017 , 110, 243701		3
256	Ductility, recovery and strain rate dependency of an acrylic structural adhesive. 2017 , 140, 184-193		12
255	Cyclic Viscoelasticity/Viscoplasticity of Polymers. 2017 , 267-329		
254	Nonlinear Visco-Elasto-Plastic Model for Surrounding Rock Incorporating the Effect of Intermediate Principal Stress. 2017 , 35, 403-423		2
253	Viscoelastic distortion in asymmetric plates during post curing. 2017 , 103, 122-130		14
252	Thermodynamics-based finite strain viscoelastic-viscoplastic model coupled with damage for asphalt material. 2017 , 129, 61-73		21
251	Numerical mesoscopic investigations of dynamic damage and failure mechanisms of polymer bonded explosives. 2017 , 129, 28-39		16
250	Creep and creep buckling of pultruded glass-reinforced polymer members. 2017 , 181, 315-324		10
249	A novel interferometric method for the study of the viscoelastic properties of ultra-thin polymer films determined from nanobubble inflation. 2017 , 88, 093901		3
248	Stiffness and Damping Properties of a Swing Clamp: Model and Experiment. 2017 , 58, 299-304		2
247	Numerical prediction of temperature-dependent anisotropic viscoelastic properties of fiber reinforced composite. 2017 , 36, 1790-1801		11
246	50th Anniversary Perspective: Challenges in the Dynamics and Kinetics of Glass-Forming Polymers. 2017 , 50, 6333-6361		84
245	On the nonlinear viscoelastic behavior of rubber-like materials: Constitutive description and identification. <i>International Journal of Mechanical Sciences</i> , 2017 , 130, 437-447	5.5	15
244	A hygro-thermo-mechanical coupled cyclic constitutive model for polymers with considering glass transition. 2017 , 89, 29-65		30
243	A procedure for modeling the nonlinear viscoelastoplastic creep of HDPE at small strains. <i>Polymer Engineering and Science</i> , 2017 , 57, 144-152	2.3	13
242	Deformation analysis of polymers composites: rheological model involving time-based fractional derivative. <i>Mechanics of Time-Dependent Materials</i> , 2017 , 21, 151-161	1.2	13

241	Nonlinear viscoelastic characterization of bovine trabecular bone. 2017 , 16, 173-189	30
240	Accelerated creep and creep-rupture testing of transverse unidirectional carbon/epoxy lamina based on the stepped isostress method. 2017 , 159, 455-462	22
239	Constitutive modeling of coupled aging-viscoelastic response of asphalt concrete. 2017 , 131, 1-15	33
238	A thermo-mechanically coupled nonlinear viscoelastic-viscoplastic cyclic constitutive model for polymeric materials. <i>Mechanics of Materials</i> , 2017 , 105, 1-15	3-3 29
237	Relaxation of Hardening in Asphalt Concrete under Cyclic Compression Loading. 2017 , 29, 04016288	6
236	A toolbox for the characterization of biobased waxes. 2017 , 119, 1600360	6
235	Challenges in Mechanics of Time Dependent Materials, Volume 2. 2017 ,	1
234	Viscoelastic modelling of creep and stress relaxation behaviour in PLA-PCL fibres. 2017 , 18, 2443-2453	8
233	Creep behaviour of plant fibre composites. 2017 , 459-477	4
232	Constitutive Adhesive and Sealant Models. 2017 , 1-50	
231	Phenomenological High Temperature Creep Models of Composites and Nanomaterials. 2017 ,	
230	Strain rate studies of pultruded glass fibre reinforced polymer material properties: A literature review. 2018 , 171, 984-1004	10
229	Predicting the counter-intuitive stress relaxation behavior of glass forming materials. 2018 , 145, 54-61	6
228	The effect of physical nonlinearity of the interfacial layer between carbon nanotube and polymer matrix on viscoelastic response of nanocomposite materials under harmonic loading. 2018 , 52, 3731-3744	0
227	Rough contact of sliding viscoelastic layers: numerical calculations and theoretical predictions. 2018 , 122, 67-75	28
226	Effect of glass bead size and content on the thermomechanical properties of polyethylene composites. <i>Polymer Engineering and Science</i> , 2018 , 58, 1826-1836	2-3 7
225	Investigating the static and dynamic tensile mechanical behaviour of polymer-bonded explosives. 2018 , 54, e12262	3
224	Do uniform tangential interfacial stresses enhance adhesion?. 2018 , 112, 145-156	26

223	DMA based characterization of stiffness reduction in long fiber reinforced polypropylene. 2018 , 66, 296-302		11
222	Application of the time-strain superposition - Part I: Prediction of the nonlinear constant shear rate response of brain tissue. 2018 , 86, 440-449		
221	Linear and nonlinear viscoelastic and viscoplastic analysis of asphalt binders with warm mix asphalt additives. 2018 , 19, 857-864		9
220	Nonlinear thermomechanical response and constitutive modeling of viscoelastic polyethylene membranes. <i>Mechanics of Materials</i> , 2018 , 117, 9-21	3-3	5
219	Viscoelasticity and Thermoviscoelasticity. 2018 , 461-530		
218	An anisotropic linear thermo-viscoelastic constitutive law: Elastic relaxation and thermal expansion creep in the time domain. <i>Mechanics of Time-Dependent Materials</i> , 2018 , 22, 421-433	1.2	12
217	A systematic methodology for creep master curve construction using the stepped isostress method (SSM): a numerical assessment. <i>Mechanics of Time-Dependent Materials</i> , 2018 , 22, 79-93	1.2	7
216	SpaceTime model order reduction for nonlinear viscoelastic systems subjected to long-term loading. 2018 , 53, 1333-1355		6
215	Estimating the creep behavior of glass-fiber-reinforced polyamide considering the effects of crystallinity and fiber volume fraction. 2018 , 4,		2
214	Exploring the validity of time-concentration superposition in glassy colloids: Experiments and simulations. 2018 , 98,		10
213	An Improved Analytical Solution for Process-Induced Residual Stresses and Deformations in Flat Composite Laminates Considering Thermo-Viscoelastic Effects. <i>Materials</i> , 2018 , 11,	3-5	6
212	Influence of water on the short and long term mechanical behaviour of polyamide 6 (nylon) fibres and yarns. 2018 , 1, 317-327		8
211	Creep in Precast-Concrete Sandwich Panels Made with Diagonal-Bar Shear Connectors. 2018 , 144, 04018102		4
210	Modeling the creep behavior of GRFP truss structures with Positional Finite Element Method. 2018 , 15,		2
209	A mathematical model for fitting and predicting relaxation modulus and simulating viscoelastic responses. 2018 , 474, 20170540		12
208	Effect of the Realistic Tire Contact Pressure on the Rutting Performance of Asphaltic Concrete Pavements. 2018 , 22, 2138-2146		6
207	Multiphysics modelling of manufacturing processes: A review. 2018 , 10, 168781401876618		15
206	A study of the creep-rupture behavior of HMPE ropes using viscoelastic-viscoplastic-viscodamage modeling. 2018 , 162, 43-54		9

205	Time-dependent damage analysis for viscoelastic-viscoplastic structural laminates under biaxial loading. 2018 , 203, 60-70		2
204	Introducing a stress-dependent fractional nonlinear viscoelastic model for modified asphalt binders. 2018 , 183, 102-113		16
203	Effects of temperature-induced strain on creep behavior of wood-plastic composites. 2018 , 52, 1213-1227		2
202	A Straightforward Procedure to Characterize Nonlinear Viscoelastic Response of Asphalt Concrete at High Temperatures. 2018 , 2672, 481-492		34
201	Multi-scale modeling of the viscoelastic behavior of 3D woven composites. 2018 , 112, 539-548		13
200	Methodology for macro-modeling of bio-based composites with inelastic constituents. 2018 , 163, 41-48		6
199	Constitutive Equations and Finite Element Implementation of Isochronous Nonlinear Viscoelastic Behavior. 2018 , 140,		1
198	The viscoelastic effect during acoustoelastic testing of polyethylene. 2018 , 69, 286-292		3
197	Constitutive Adhesive and Sealant Models. 2018 , 615-663		
196	Viscoelastic behavior of an epoxy resin during cure below the glass transition temperature: Characterization and modeling. 2019 , 53, 155-171		21
195	Predicting plasticity-controlled failure of glassy polymers: Influence of stress-accelerated progressive physical aging. 2019 , 57, 1300-1314		5
194	The Indentation Rolling Resistance in Belt Conveyors: A Model for the Viscoelastic Friction. 2019 , 7, 58		4
193	Mechanical failure and mitigation strategies for the membrane in a proton exchange membrane fuel cell. 2019 , 113, 109289		48
192	Effect of Aging on Viscoelastic Properties of Asphalt Mixtures. 2019 , 145, 04019034		3
191	A general hyperelastic-time model for numerical prediction on rubber relaxation and experimental validation under different environments. <i>Polymer Engineering and Science</i> , 2019 , 59, 2159-2168	2.3	0
190	Rolling Resistance of a Hard Sphere on Rubber Sheets: Limitations of Linear Viscoelastic Modeling and Influence of Nonlinearities. 2019 , 11, 1950066		2
189	Predicting embrittlement of polymer glasses using a hydrostatic stress criterion. 2019 , 136, 47373		4
188	Investigation of the strain-rate-dependent mechanical behavior of a photopolymer matrix composite with fumed nano-silica filler. <i>Polymer Engineering and Science</i> , 2019 , 59, 1695-1700	2.3	2

187	Modeling of fatigue behavior based on interaction between time- and cyclic-dependent mechanical properties. 2019 , 124, 105469		7
186	Characterization and validation of the nonlinear viscoelastic-viscoplastic with hardening-relaxation constitutive relationship for asphalt mixtures. 2019 , 216, 648-660		31
185	Experimental investigation of anisotropic viscoelastic properties of glass fiber-reinforced polymeric composite material. 2019 , 27, 323-336		5
184	Viscoelastic constitutive modeling of creep and stress relaxation in polymers and polymer matrix composites. 2019 , 3-59		14
183	A combined creep and fatigue prediction methodology for fiber-reinforced polymer composites based on the kinetic theory of fracture. 2019 , 349-402		2
182	Coupled 1-D stress and thermal waves in temperature dependent nonlinear elastic and viscoelastic media*. 2019 , 42, 122-151		
181	Creep prediction with temperature effect and experimental verification of rubber suspension components used in rail vehicles. 2019 , 233, 3950-3963		6
180	Effect of crystalline content on ratchetting of ultra-high molecular weight polyethylene polymers: Experimental investigation and constitutive model. <i>Mechanics of Materials</i> , 2019 , 133, 37-54	3-3	9
179	Mechanical responses of boron-doped monolayer graphene. 2019 , 147, 594-601		17
178	Nonlinear Creep Deformation of Polycarbonate at High Stress Level: Experimental Investigation and Finite Element Modeling. 2019 , 28, 1612-1617		4
177	The Influence of Temperature on the Cyclic Properties of the Transversely Isotropic Nanocomposite System Under Kinematic Harmonic Loading. 2019 , 236, 185-198		2
176	Predicting Rutting Performance of Flexible Airfield Pavements Using a Coupled Viscoelastic-Viscoplastic-Cap Constitutive Relationship. 2019 , 145, 04018129		9
175	Analysis of steady-state frictional rolling contact problems in Schapery's nonlinear viscoelasticity. 2019 , 233, 911-926		1
174	Challenges in Mechanics of Time-Dependent Materials, Volume 2. 2019 ,		
173	Thermo-mechanical coupling of a viscoelastic-viscoplastic model for thermoplastic polymers: Thermodynamical derivation and experimental assessment. 2019 , 115, 154-177		25
172	Nonlinear thermo-mechanical behaviour of soft core sandwich panels [Creep effects. 2020 , 22, 2629-2654		1
171	A new approach to characterizing asphalt concrete in the linear/nonlinear small strain domain. <i>Mechanics of Time-Dependent Materials</i> , 2020 , 24, 101-127	1.2	1
170	Multiscale modeling of the viscoelastic response of braid-reinforced polymers: Model formulation and experimental assessment considering different rheological models. <i>Composites Part B: Engineering</i> , 2020 , 182, 107398	10	5

169	A dynamic constitutive model for fiber-reinforced composite under impact loading. <i>International Journal of Mechanical Sciences</i> , 2020 , 166, 105226	5.5	9
168	Nonlinear Mechanical Response of Polymer Matrix Composites: A Review. 2020 , 60, 42-85		28
167	Novel Procedure for Accurately Characterizing Nonlinear Viscoelastic and Irrecoverable Behaviors of Asphalt Binders. 2020 , 20, 04019198		4
166	Evaluation of viscoelastic-viscoplastic characteristics and finite element analyses for thermoplastics. 2020 , 29, 273-284		4
165	Temperature-Dependent Viscoelastic Model for Asphalt Concrete Implemented within a Novel Nonlocal Damage Framework. 2020 , 146, 04019119		6
164	Characterization and modeling of the creep behavior of fiber composites with tension and compression asymmetry. <i>International Journal of Mechanical Sciences</i> , 2020 , 170, 105340	5.5	10
163	A modified incremental creep integral approach for meshfree analysis of viscoelastic problems. 2020 , 120, 253-264		3
162	Analysis of reclaimed asphalt blended binders using linear and nonlinear viscoelasticity frameworks. 2020 , 53, 1		0
161	Creep behavior modeling of polymeric composites using Schapery model based on micro-macromechanical approaches. 2020 , 81, 103963		5
160	Ethylen-Tetrafluorethylen-Folien unter Dauerlast. <i>Stahlbau</i> , 2020 , 89, 694-702	0.6	1
159	Prediction of creep performance during long-term storage of composite directors based on nonlinear viscoelasticity. 2020 , 1507, 062003		
158	Experimental and numerical research on the nonlinear creep response of polymeric composites under humid environments. 2020 , 251, 112673		4
157	Energy-Based Kinetics Approach for Coupled Viscoplasticity and Viscofracture of Asphalt Mixtures. 2020 , 146, 04020100		13
156	Modeling and simulation of anisotropic linear viscoelasticity. <i>Mechanics of Time-Dependent Materials</i> , 2020 , 1	1.2	1
155	A Nonlinear Creep Damage Model Considering the Effect of Dry-Wet Cycles of Rocks on Reservoir Bank Slopes. 2020 , 12, 2396		1
154	Manufacturing, Characterisation and Mechanical Analysis of Polyacrylonitrile Membranes. 2020 , 12,		6
153	Experimental characterization and modeling of the material behavior of an epoxy system. 2020 , 2, 1		1
152	Simulating rate- and temperature-dependent behaviors of adhesives using a nonlinear viscoelastic model. <i>Mechanics of Materials</i> , 2020 , 147, 103446	3.3	4

151	A Creep Model of Asphalt Mixture Based on Variable Order Fractional Derivative. 2020 , 10, 3862		5
150	Influence of creep on preload relaxation of bolted composite joints: Modeling and numerical simulation. 2020 , 245, 112332		5
149	Numerical techniques for solving truss problems involving viscoelastic materials. 2020 , 122, 103479		2
148	A framework for the analysis of damage and recovery characteristics of asphalt mixtures. 2020 , 1-14		2
147	Time-dependent Drucker-Prager-Cap model coupled with PANDA (Pavement Analysis Using Nonlinear Damage Approach) to predict rutting performance of flexible pavements. 2020 , 244, 118326		6
146	The effect of moisture on the nonlinearly viscoelastic behavior of an epoxy. <i>Mechanics of Time-Dependent Materials</i> , 2020 , 24, 435-461	1.2	1
145	A new nonlinear viscoelastic model and mathematical solution of solids for improving prediction accuracy. 2020 , 10, 2202		7
144	Thermo-mechanical modeling of a filled elastomer based on the physics of mobility reduction. <i>Mechanics of Materials</i> , 2020 , 143, 103319	3.3	2
143	A novel creep-fatigue stiffness degradation model for composite materials. 2020 , 237, 111955		18
142	Experiment and modelling of the strain-rate-dependent response during in vitro degradation of PLA fibres. 2020 , 2, 1		2
141	An anisotropic creep model for continuously and discontinuously fiber reinforced thermoplastics. 2020 , 194, 108168		5
140	A thermo-viscoelastic analytical model for residual stresses and spring-in angles of multilayered thin-walled curved composite parts. 2020 , 152, 106758		3
139	Developing a micro-macromechanical approach for evaluating long-term creep in composite cylinders. 2020 , 151, 106714		14
138	Creep prediction of GFRP directors in a multiple launch rocket system under long-term stacking storage. 2021 , 45, 147-158		1
137	Effect of temperature and filler volume fraction on the creep and recovery behaviour of MWCNT/POOH reinforced polypropylene films. 2021 , 91, 979-995		2
136	Residual strength prediction for unidirectional CFRP using a nonlinear viscoelastic constitutive equation considering entropy damage. 2021 , 141, 106178		4
135	Development of healing model and simplified characterization test procedure for asphalt concrete. 2021 , 271, 121515		3
134	Understanding the Effect of Water in Polyamides: A Review. 2021 , 61, 598-645		9

133	Very high cycle and gigacycle fatigue of fiber-reinforced composites: A review on experimental approaches and fatigue damage mechanisms. 2021 , 118, 100762	15
132	Use of the multiple stress creep recovery (MSCR) test to characterize the rutting potential of asphalt binders: A literature review. 2021 , 269, 121320	28
131	Stress analysis of adhesive joints. 2021 , 159-192	
130	Research on Creep Constitutive and Numerical Simulation of Composite Solid Propellant. 2021 , 1786, 012002	1
129	Study of Asphalt-Concrete Pavement Fatigue Modeling. 2021 , 16, 24-36	
128	A Nonlinear Fractional Viscoelastic-Plastic Creep Model of Asphalt Mixture. 2021 , 13,	3
127	Time-dependent properties of graphene nanoplatelets reinforced high-density polyethylene. 2021 , 138, 50783	5
126	Analytical modelling of thixotropy contribution during T/C fatigue tests of asphalt concrete with the VENO _L model. 2021 , 22, S536-S559	1
125	Analysis of MSCR test results for asphalt binders with improved accuracy. 2021 , 54, 1	4
124	Creep and fracture of warm columnar freshwater ice. 2021 , 15, 2401-2413	2
123	Aspects on viscoelasticity modeling of HDPE using fractional derivatives: Interpolation procedures and efficient numerical scheme. 1-16	1
122	Viscoelastic Parameterization of Human Skin Cells to Characterize Material Behavior at Multiple Timescales.	1
121	A Mixed Iteration Method to Determine the Linear Material Parameters in the Study of Creep Behavior of the Composites. 2021 , 13,	0
120	Perm-waved human hair: a thermorheologically complex shape memory composite. 2021 , 120, 3831-3840	1
119	Orthotropic Thermo-Viscoelastic Model for Polymeric Battery Separators with Electrolyte Effect. 2021 , 168, 090536	1
118	Flooded Pavement: Numerical Investigation of Saturation Effects on Asphalt Pavement Structures. 2021 , 147, 04021025	1
117	Numerical and Experimental Investigations of Polymer Viscoelastic Materials Obtained by 3D Printing. 2021 , 13,	0
116	A simulation framework for predicting process-induced distortions for precise manufacturing of aerospace thermoset composites. 2021 , 275, 114465	2

115	Experimental and theoretical investigation of mechanical behavior related to temperature, humidity and strain rate on silane-modified polyurethane sealant. 2021 , 103, 107370	2
114	Viscoelastic truss metamaterials as time-dependent generalized continua. 2021 , 156, 104569	0
113	A three-dimensional viscoelastic analysis of thermoplastic resin matrix composite laminates during hot stamping. 2021 , 8, 015306	1
112	Experimental and Theoretical Investigations of Creep on a Composite Pipe under Compressive Transverse Loading. 2021 , 22, 222-230	5
111	Experimental Studies on the Evolution of Defect Temperature Field during Deformation of ABS. 1999 , 109-119	1
110	Mechanics of Polymers: Viscoelasticity. 2008 , 49-96	45
109	Effect of Crystallinity and fiber volume fraction on Creep Behavior of Glass Fiber Reinforced Polyamide. 2011 , 159-164	1
108	Stress Relaxation of Glass-Bead Filled Glassy Amorphous Polystyrene. 1980 , 237-242	2
107	The Stress-Strain Behavior of Mechanically Degradable Polymers. 1971 , 341-394	5
106	Complex Constitutive Adhesive Models. 2008 , 95-130	4
105	Constitutive Adhesive and Sealant Models. 2011 , 551-595	1
104	Creep Modeling for Composite Structures. 1995 , 563-575	1
103	High Temperature Viscoelastic Behaviour and Long Time Tail of Rocks. 1994 , 121-129	6
102	Experimental Mechanics Applied to the Accelerated Characterization of Polymer Based Composite Materials. 1981 , 1-69	2
101	Recent Developments and Applications of Pavement Analysis Using Nonlinear Damage (PANDA) Model. 2012 , 399-408	3
100	Durability Predictions of Adhesively Bonded Composite Structures Using Accelerated Characterization Methods. 1985 , 1-18	2
99	A Three Dimensional Model for Nonlinear Viscoelasticity. 1993 , 253-260	1
98	A Nonlinear Viscoelastic Approach to Durability Predictions for Polymer Based Composite Structures. 1991 , 46-64	3

97	Damage micromechanics modelling of discontinuous reinforced composites. 2002 , 115-163	2
96	Models for the creep of ceramic matrix composite materials. 1995 , 409-436	3
95	A nonlinear viscoelastic constitutive model for cyclically loaded solid composite propellant. 2020 , 198, 126-135	2
94	Non-proportional multiaxial ratchetting of ultrahigh molecular weight polyethylene polymer: Experiments and constitutive model. <i>Mechanics of Materials</i> , 2017 , 112, 76-87	3-3 9
93	Structural recovery and physical aging of polymeric glasses. 2016 , 23-54	2
92	Comparison of Mechanical Properties and Artificial Neural Networks Modeling of PP/PET Blends. 2016 , 130, 444-446	6
91	Time-dependent and inelastic behaviors of fiber- and particle hybrid composites. 2010 , 34, 525-539	5
90	Analysis of thermo-rheologically complex structures with geometrical nonlinearity. 2013 , 47, 27-44	1
89	Biaxial creep property of ethylene tetrafluoroethylene (ETFE) foil. 2015 , 54, 973-986	9
88	Nonlinear Response Characterization of Bituminous Mortar. 2012 , 40, 20120049	3
87	Finite Deformation and Viscoelasticity Modeling and Test. 2011 , 03, 810-814	1
86	Elastic and Viscoelastic Poisson's Ratios: The Theoretical Mechanics Perspective. 2017 , 08, 291-332	4
85	Challenges in developing of 3D nonlinear viscoelastic models. 2021 , 1190, 012005	
84	Life Interval Prediction for Aging Solid-Propellant Rocket Motors with Uncertain Chemical Parameters. 1-11	
83	Investigation of Tensile Creep Behavior for High-Density Polyethylene (HDPE) via Experiments and Mathematical Model. <i>Materials</i> , 2021 , 14,	3-5
82	Constitutive Modeling of Viscoelastic Unloading of Glassy Polymers. 2004 , 207-216	
81	The Nonlinear Viscoelastic Properties of PFSA Membranes in Water-immersed and Humid Air Conditions. 2011 , 163-174	1
80	A Pressure-Dependent Nonlinear Viscoelastic Schapery Model for POM. 2013 , 139-148	

- 79 Daleli kompozito diskretusis modelis. **2014**, 0
- 78 Thermo-Viscoelasticity (General Lecture). **1975**, 339-357
- 77 Assessment of Linearity and Characterization of Nonlinear Behaviour (General Lecture). **1975**, 1-25 1
- 76 Bibliography. **1976**, 18, 344-360
- 75 Application of a Thermodynamically Based Single Integral Constitutive Equation to Stress Relaxation and Yield in ABS. **1980**, 325-330
- 74 Nonlinear Viscoelastic Characterisation of Polymeric Materials. **1984**, 311-317
- 73 Describing the Long Term Nonlinearity of Plastics. **1984**, 319-328
- 72 On some path independent integrals and their use in fracture of nonlinear viscoelastic media. **1990**, 189-207 0
- 71 Some New Aspects of the Nonlinear Characterization of Creep and Stress Relaxation of Polymers. **1991**, 55-62
- 70 A Numerical Method of Nonlinear Viscoelastic Structural Analysis. **1991**, 645-652
- 69 ON THE NONLINEAR VISCOELASTIC CHARACTERIZATION OF CREEP AND STRESS RELAXATION OF POLYMERIC MATERIALS. **1992**, 796-798
- 68 Use of Polymers and Polymer-Based Composites in Structural Mechanics. **1997**, 75-93
- 67 Prediction Method of Long Term Creep Behavior for ETFE Foil by Using Viscoelastic-Plastic Model. **2014**, 14, 93-100
- 66 Ultra High Molecular Weight Polyethylene and its Reinforcement with Carbon Nanotubes in Medical Devices. 201-255 0
- 65 - Sealed Insulating Glass and Insulating Glass Sealants. **2016**, 250-315
- 64 Experimental and Numerical Analysis of Pressure Waves Propagation in a Viscoelastic Hopkinson Bar. **2016**, 259-267 1
- 63 Phenomenological Time Invariant Creep Models. **2017**, 101-159
- 62 Dynamic Testing and Constitutive Modelling of NBR Rubbers. **2017**, 187-193 1

61	A comparison of constitutive descriptions of the thermo-mechanical behavior of polymeric glasses. 2016 , 451-536		0
60	Creep Modelling of a Material by Non-Linear Modified Schapery's Viscoelastic Model. 2017 , 05, 754-764		
59	Modified Hyper-Viscoelastic Constitutive Model for Elastomeric Materials. 2019 , 1-11		
58	Time-dependent properties of newly developed multiscale UHMWPE composites. 2021 , 105, 107400		0
57	Comparison between Viscoelastic Mechanical and Chemical Kinetic Aging Model of Asphalt Concrete. 982, 012065		
56	Mechanical Properties. 2021 , 267-376		
55	Using a micromechanical viscoelastic creep model to capture multi-phase deterioration in bio-based wood polymer composites exposed to moisture. 2022 , 314, 125252		0
54	Implementation of a viscoelastic material model to predict the compaction response of dry carbon fiber preforms. 2021 , 153, 106718		1
53	Evaluation of the Viscoplastic Strain of High-Density Polyethylene/Multiwall Carbon Nanotube Composites Using the Reaction Rate Relation. 2021 , 57, 577-586		1
52	Modeling creep and creep recovery of 332 aluminum alloy using fractional calculus. <i>Mechanics of Time-Dependent Materials</i> , 1	1.2	0
51	Creep behavior of flax fiber-reinforced polyamide 6 composites: experimental and numerical studies. 1		
50	A Nonlinear Viscoelastic-Viscoplastic Constitutive Model for Epoxy Polymers. 2022 ,		1
49	Viscoelastic up-scaling rank-one effects in in-silico modelling of electro-active polymers. 2022 , 389, 114358		0
48	Viscoelastic parameterization of human skin cells characterize material behavior at multiple timescales.. 2022 , 5, 17		1
47	A Possibility for Quantitative Detection of Mechanically-Induced Invisible Damage by Thermal Property Measurement via Entropy Generation for a Polymer Material.. <i>Materials</i> , 2022 , 15,	3.5	2
46	Characterization of creep deformation behavior of porous polymer membrane under Small-Punch test. 2022 , 135, 106149		2
45	Dynamic Creep Response of MWCNT-COOH-PP Nanocomposites. 2022 , 149-158		
44	Strain Rate-Dependent Hyperbolic Constitutive Model for Tensile Behavior of PE100 Pipe Material.. 2022 , 14,		0

43	A fractional model of nonlinear multiaxial viscoelastic behaviors. <i>Mechanics of Time-Dependent Materials</i> ,	1.2	0
42	Pavement rutting performance analysis of automated vehicles: impacts of wander mode, lane width, and market penetration rate. 1-18		1
41	Analytical modelling of complex stiffness modulus tests in direct tension-compression on asphalt concrete and nonlinearity effect due to strain amplitude. 1-31		1
40	Investigations on the viscoelastic material behaviour and linearity limits of PVB. 2021 , 4, 207-223		0
39	Modeling of nonlinear viscoelastic creep of a polyethylene pipeline during water hammer. 2022 , 19, 336-347		
38	Nonlinear Schapery viscoelastic material model for thermoplastic polymers. 2022 , 139, 52028		2
37	Viscoelasticity Acts as a Marker for Tumor Extracellular Matrix Characteristics.. 2021 , 9, 785138		4
36	Damping of Materials and Structures. 2020 , 1-118		
35	Analysis and numerical investigations on the temperature-dependent creep behavior of polypropylene matrix composite used for coating of offshore pipeline. 089270572210851		
34	Advances in Permanent Deformation Modeling of Asphalt Concrete A Review. <i>Materials</i> , 2022 , 15, 3480	3.5	2
33	Inflated Cone Experiment for High-Throughput Characterization of Time-Dependent Polymer Membranes. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1-7	2.7	1
32	Fast nonlinear mechanical features decoupling to identify and predict asphalt-based composites. <i>International Journal of Mechanical Sciences</i> , 2022 , 224, 107309	5.5	0
31	A one-dimensional model for the aging and damage effects on the response of composite double-base propellants. <i>Mechanics of Time-Dependent Materials</i> ,	1.2	
30	Mechanical behavior and constitutive model of NEPE solid propellant in finite deformation. <i>Mechanics of Materials</i> , 2022 , 104383	3.3	0
29	Nonlinear viscoelastic modeling of synthetic mooring lines. <i>Marine Structures</i> , 2022 , 85, 103257	3.8	0
28	Damping of Materials and Structures. 2022 , 681-797		
27	Water ageing effects on the elastic and viscoelastic behaviour of epoxy-based materials used in marine environment. <i>Composites Part B: Engineering</i> , 2022 , 242, 110090	10	1
26	Mechanisch-technologisches Verhalten von ETFE-Folien und deren Schweißverbindungen. <i>Stahlbau</i> ,	0.6	0

- 25 A general constitutive model for the numerical simulation of different synthetic fibres used in offshore mooring. 1-7
- 24 On the ability of a viscoelastic model to predict the average cyclic energy dissipated by a 3D layer-to-layer composite. **2022**, 116264 ○
- 23 Experimental and theoretical investigation on mechanical behaviors of TB991 weld sealant under cyclic loading. ○
- 22 Viscoelastic and Electromagnetic Materials with Nonlinear Memory. **2022**, 15, 6804 ○
- 21 Time-dependent properties of high-density polyethylene with wood/graphene nanoplatelets reinforcement. ○
- 20 Mechanics constitutive models for viscoelastic solid materials: Development and a critical review. **2022**, ○
- 19 Characterization and modelling of the hygro-viscoelastic behaviour of polymer-based composites used in marine environment. **2023**, 381, ○
- 18 Study on the ratchetting behavior of glass fiber-reinforced epoxy composites: Experiment and theory. **2023**, 117, 107875 ○
- 17 Multi-field formulations for solving plane problems involving viscoelastic constitutive relations. **2023**, 13, 100120 ○
- 16 A fracture energyBased viscoelasticViscoplasticAnisotropic damage model for rate-dependent cracking of concrete. ○
- 15 Strain-rate-dependent mechanics and impact performance of epoxy-based nanocomposites. **2022**, 109870 ○
- 14 A Review on Modelling of Viscoelastic Contact Problems. **2022**, 10, 358 ○
- 13 An Orthotropic Nonlinear Thermoviscoelastic Model for Polymeric Battery Separators. **2023**, 170, 010520 ○
- 12 Influence of thermal diffusion on thermoelastic coupling and dissipated energy fields evaluated in the heterogeneous case of a woven composite. **2023**, 308, 116711 ○
- 11 Viscoelastic and Viscoplastic Behavior of Polymer and Composite. **2023**, 139-151 ○
- 10 Linear viscoelasticity of human sclera and posterior ocular tissues during tensile creep. **2023**, 151, 111530 ○
- 9 Nonlinear viscoelastoplastic kinetics for high-temperature performance of modified asphalt binders. **2023**, 180, 104612 1
- 8 Characterization of nonlinear viscoelastic behaviors of CF/EP laminates with consideration to physical aging effect under thermo-mechanical loading. **2023**, 180, 104615 ○

- 7 An Improved Multistage Creep Recovery Test Procedure for Viscoelastic-Plastic Damage Model Calibration. **2023**, 35, ○
- 6 Dynamic mechanical analysis of PA 6 under hydrothermal influences and viscoelastic material modeling. 089270572311558 ○
- 5 Prediction of Permanent Deformation of Granular Layers in Asphalt Pavements with Pavement Analysis Using the Nonlinear Damage Approach Airfield Pavements. 036119812311536 ○
- 4 Development of a generalised creep-recovery test and a back-calculation method for determining the permanent deformation of asphalt mixtures in the time domain. 1-20 ○
- 3 DIC-Enhanced Identification of Bodner-Partom Model Parameters for Bitumen Binder. **2023**, 16, 1856 ○
- 2 A phenomenological model to simulate various aspects of nonlinearity in creep behavior and to predict long-term creep strain. ○
- 1 Mechanical behavior of adhesively bonded butt-joints under cyclic loading: Experiments and constitutive model. ○