

Seung Bok Choi

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694 papers	10,938 citations	48 h-index	68 g-index
771 ext. papers	12,864 ext. citations	2.5 avg, IF	6.89 L-index

#	Paper	IF	Citations
694	A HYSTERESIS MODEL FOR THE FIELD-DEPENDENT DAMPING FORCE OF A MAGNETORHEOLOGICAL DAMPER. <i>Journal of Sound and Vibration</i> , 2001 , 245, 375-383	3.9	328
693	Vibration Control of a MR Seat Damper for Commercial Vehicles. <i>Journal of Intelligent Material Systems and Structures</i> , 2000 , 11, 936-944	2.3	180
692	A time-varying sliding surface for fast and robust tracking control of second-order uncertain systems. <i>Automatica</i> , 1994 , 30, 899-904	5.7	161
691	Geometry optimization of MR valves constrained in a specific volume using the finite element method. <i>Smart Materials and Structures</i> , 2007 , 16, 2242-2252	3.4	134
690	Control and Response Characteristics of a Magneto-Rheological Fluid Damper for Passenger Vehicles. <i>Journal of Intelligent Material Systems and Structures</i> , 2000 , 11, 80-87	2.3	124
689	Vibration control of electrorheological seat suspension with human-body model using sliding mode control. <i>Journal of Sound and Vibration</i> , 2007 , 303, 391-404	3.9	120
688	A state of art on magneto-rheological materials and their potential applications. <i>Journal of Intelligent Material Systems and Structures</i> , 2018 , 29, 2051-2095	2.3	119
687	H8 Control Performance of a Full-Vehicle Suspension Featuring Magnetorheological Dampers. <i>Vehicle System Dynamics</i> , 2002 , 38, 341-360	2.8	98
686	Control characteristics of a continuously variable ER damper. <i>Mechatronics</i> , 1998 , 8, 143-161	3	94
685	Human simulated intelligent control of vehicle suspension system with MR dampers. <i>Journal of Sound and Vibration</i> , 2009 , 319, 753-767	3.9	93
684	Analytical and experimental validation of a nondimensional Bingham model for mixed-mode magnetorheological dampers. <i>Journal of Sound and Vibration</i> , 2008 , 312, 399-417	3.9	88
683	Moving switching surfaces for robust control of second-order variable structure systems. <i>International Journal of Control</i> , 1993 , 58, 229-245	1.5	79
682	Optimal design of MR shock absorber and application to vehicle suspension. <i>Smart Materials and Structures</i> , 2009 , 18, 035012	3.4	78
681	Cr 2 O 3 nanoparticle-functionalized WO 3 nanorods for ethanol gas sensors. <i>Applied Surface Science</i> , 2018 , 432, 241-249	6.7	77
680	Optimal design of an automotive magnetorheological brake considering geometric dimensions and zero-field friction heat. <i>Smart Materials and Structures</i> , 2010 , 19, 115024	3.4	75
679	Optimal design of a vehicle magnetorheological damper considering the damping force and dynamic range. <i>Smart Materials and Structures</i> , 2009 , 18, 015013	3.4	73
678	Magnetorheological dampers in shear mode. <i>Smart Materials and Structures</i> , 2008 , 17, 015022	3.4	73

677	A magnification device for precision mechanisms featuring piezoactuators and flexure hinges: Design and experimental validation. <i>Mechanism and Machine Theory</i> , 2007 , 42, 1184-1198	4	73
676	Constitutive models of electrorheological and magnetorheological fluids using viscometers. <i>Smart Materials and Structures</i> , 2005 , 14, 1025-1036	3-4	73
675	Position control of a two-link flexible manipulator featuring piezoelectric actuators and sensors. <i>Mechatronics</i> , 2001 , 11, 707-729	3	73
674	Optimal design of magnetorheological valves via a finite element method considering control energy and a time constant. <i>Smart Materials and Structures</i> , 2008 , 17, 025024	3-4	68
673	Force tracking control of a flexible gripper featuring shape memory alloy actuators. <i>Mechatronics</i> , 2001 , 11, 677-690	3	66
672	State of the art of control schemes for smart systems featuring magneto-rheological materials. <i>Smart Materials and Structures</i> , 2016 , 25, 043001	3-4	64
671	A hybrid clustering based fuzzy structure for vibration control [Part 2: An application to semi-active vehicle seat-suspension system. <i>Mechanical Systems and Signal Processing</i> , 2015 , 56-57, 288-301	3-8	63
670	Integrated control on MR vehicle suspension system associated with braking and steering control. <i>Vehicle System Dynamics</i> , 2011 , 49, 361-380	2.8	63
669	Vibration control of smart hull structure with optimally placed piezoelectric composite actuators. <i>International Journal of Mechanical Sciences</i> , 2011 , 53, 647-659	5.5	62
668	Field test results of a semi-active ER suspension system associated with skyhook controller. <i>Mechatronics</i> , 2001 , 11, 345-353	3	62
667	Antilock Brake System With a Continuous Wheel Slip Control to Maximize the Braking Performance and the Ride Quality. <i>IEEE Transactions on Control Systems Technology</i> , 2008 , 16, 996-1003	4.8	61
666	Optimal control of structural vibrations using a mixed-mode magnetorheological fluid mount. <i>International Journal of Mechanical Sciences</i> , 2008 , 50, 559-568	5.5	61
665	A New Generation of Innovative Ultra-Advanced Intelligent Composite Materials Featuring Electro-Rheological Fluids: An Experimental Investigation. <i>Journal of Composite Materials</i> , 1989 , 23, 1232-1255	2.7	61
664	Magnetorheological Isolators Using Multiple Fluid Modes. <i>Journal of Intelligent Material Systems and Structures</i> , 2007 , 18, 1143-1148	2.3	57
663	Comparison of Field-Controlled Characteristics between ER and MR Clutches. <i>Journal of Intelligent Material Systems and Structures</i> , 1999 , 10, 615-619	2.3	57
662	Selection of magnetorheological brake types via optimal design considering maximum torque and constrained volume. <i>Smart Materials and Structures</i> , 2012 , 21, 015012	3-4	56
661	Control and Response Characteristics of a Magneto-Rheological Fluid Damper for Passenger Vehicles. <i>Journal of Intelligent Material Systems and Structures</i> , 2000 , 11, 80-87	2.3	56
660	Optimal design of a novel hybrid MR brake for motorcycles considering axial and radial magnetic flux. <i>Smart Materials and Structures</i> , 2012 , 21, 055003	3-4	54

659	Fine motion control of a moving stage using a piezoactuator associated with a displacement amplifier. <i>Smart Materials and Structures</i> , 2005 , 14, 222-230	3.4	54
658	An investigation on piezoelectric energy harvesting for MEMS power sources. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2005 , 219, 429-436 ^{1,3}	1.3	53
657	Sliding mode control of vibration in a single-link flexible arm with parameter variations. <i>Journal of Sound and Vibration</i> , 1995 , 179, 737-748	3.9	53
656	Selective Oxidizing Gas Sensing and Dominant Sensing Mechanism of n-CaO-Decorated n-ZnO Nanorod Sensors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9975-9985	9.5	52
655	Vibration control of a passenger vehicle featuring magnetorheological engine mounts. <i>International Journal of Vehicle Design</i> , 2003 , 33, 2	2.4	52
654	A fuzzy-sliding mode controller for robust tracking of robotic manipulators. <i>Mechatronics</i> , 1997 , 7, 199-216	3.6	51
653	Vibration control of an electrorheological fluid-based suspension system with an energy regenerative mechanism. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2009 , 223, 459-469	1.4	50
652	New shunting parameter tuning method for piezoelectric damping based on measured electrical impedance. <i>Smart Materials and Structures</i> , 2000 , 9, 868-877	3.4	50
651	Moving sliding surfaces for high-order variable structure systems. <i>International Journal of Control</i> , 1999 , 72, 960-970	1.5	50
650	The Field-Dependent Rheological Properties of Magnetorheological Grease Based on Carbonyl-Iron-Particles. <i>Smart Materials and Structures</i> , 2016 , 25, 095043	3.4	50
649	Magnetoresistance Characteristics of Magnetorheological Gel under a Magnetic Field. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 4704-4710	3.9	49
648	Vibration Control of a MR Seat Damper for Commercial Vehicles. <i>Journal of Intelligent Material Systems and Structures</i> , 2000 , 11, 936-944	2.3	48
647	A hybrid inchworm linear motor. <i>Mechatronics</i> , 2002 , 12, 525-542	3	47
646	Design and control of a prosthetic leg for above-knee amputees operated in semi-active and active modes. <i>Smart Materials and Structures</i> , 2016 , 25, 085009	3.4	46
645	Controllable fabrication of silica encapsulated soft magnetic microspheres with enhanced oxidation-resistance and their rheology under magnetic field. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 403, 133-138	5.1	46
644	MR seat suspension for vibration control of a commercial vehicle. <i>International Journal of Vehicle Design</i> , 2003 , 31, 202	2.4	46
643	Synergistic effects of codecoration of oxide nanoparticles on the gas sensing performance of In ₂ O ₃ nanorods. <i>Sensors and Actuators B: Chemical</i> , 2016 , 227, 591-599	8.5	45
642	Force Feedback Control of a Medical Haptic Master using an Electrorheological Fluid. <i>Journal of Intelligent Material Systems and Structures</i> , 2007 , 18, 1149-1154	2.3	45

641	A low sedimentation magnetorheological fluid based on plate-like iron particles, and verification using a damper test. <i>Smart Materials and Structures</i> , 2014 , 23, 027001	3.4	44
640	Vibration control of magnetorheological damper system subjected to parameter variations. <i>International Journal of Vehicle Design</i> , 2008 , 46, 94	2.4	44
639	Non-dimensional analysis and design of a magnetorheological damper. <i>Journal of Sound and Vibration</i> , 2005 , 288, 847-863	3.9	42
638	Vibration Control of a Structural System Using Magneto-Rheological Fluid Mount. <i>Journal of Intelligent Material Systems and Structures</i> , 2005 , 16, 931-936	2.3	42
637	Active Vibration Control of Intelligent Composite Laminate Structures Incorporating an Electro-Rheological Fluid. <i>Journal of Intelligent Material Systems and Structures</i> , 1996 , 7, 411-419	2.3	42
636	Vibration control of a flexible beam using shape memory alloy actuators. <i>Journal of Guidance, Control, and Dynamics</i> , 1996 , 19, 1178-1180	2.1	41
635	Vibration control of flexible linkage mechanisms using piezoelectric films. <i>Mechanism and Machine Theory</i> , 1994 , 29, 535-546	4	41
634	Force Tracking Control of a Flexible Gripper Driven by Piezoceramic Actuators. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1997 , 119, 439-446	1.6	40
633	Vibration control of vehicle ER suspension system using fuzzy moving sliding mode controller. <i>Journal of Sound and Vibration</i> , 2008 , 311, 1004-1019	3.9	40
632	A new approach to hysteresis modelling for a piezoelectric actuator using Preisach model and recursive method with an application to open-loop position tracking control. <i>Sensors and Actuators A: Physical</i> , 2018 , 270, 136-152	3.9	39
631	Design and novel type of a magnetorheological damper featuring piston bypass hole. <i>Smart Materials and Structures</i> , 2015 , 24, 035013	3.4	39
630	Vibration and Position Tracking Control of a Flexible Beam Using SMA Wire Actuators. <i>JVC/Journal of Vibration and Control</i> , 2009 , 15, 263-281	2	39
629	Active Vibration Control of a Cantilevered Beam Containing an Electro-Rheological Fluid. <i>Journal of Sound and Vibration</i> , 1994 , 172, 428-432	3.9	39
628	Magnetorheological Fluid Technology		39
627	HL Control of electrorheological suspension system subjected to parameter uncertainties. <i>Mechatronics</i> , 2003 , 13, 639-657	3	38
626	Moving Sliding Surfaces for Fast Tracking Control of Second-Order Dynamical Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1994 , 116, 154-158	1.6	38
625	A new fuzzy-disturbance observer-enhanced sliding controller for vibration control of a train-car suspension with magneto-rheological dampers. <i>Mechanical Systems and Signal Processing</i> , 2018 , 105, 447-466	7.8	37
624	Design and vibration control of military vehicle suspension system using magnetorheological damper and disc spring. <i>Smart Materials and Structures</i> , 2013 , 22, 065006	3.4	37

623	Rheological Parameter Estimation for a Ferrous Nanoparticle-based Magnetorheological Fluid using Genetic Algorithms. <i>Journal of Intelligent Material Systems and Structures</i> , 2006 , 17, 261-269	2.3	37
622	Response time of magnetorheological dampers to current inputs in a semi-active suspension system: Modeling, control and sensitivity analysis. <i>Mechanical Systems and Signal Processing</i> , 2021 , 146, 106999	7.8	36
621	Constitutive models of magnetorheological fluids having temperature-dependent prediction parameter. <i>Smart Materials and Structures</i> , 2018 , 27, 095001	3.4	35
620	H2S gas sensing properties of Fe2O3 nanoparticle-decorated NiO nanoplate sensors. <i>Surface and Coatings Technology</i> , 2016 , 307, 1088-1095	4.4	35
619	Effects of multiwall carbon nanotubes on viscoelastic properties of magnetorheological elastomers. <i>Smart Materials and Structures</i> , 2016 , 25, 077001	3.4	35
618	Plate-like iron particles based bidisperse magnetorheological fluid. <i>Journal of Applied Physics</i> , 2013 , 114, 213904	2.5	35
617	A hybrid actuator scheme for robust position control of a flexible single-link manipulator. <i>Journal of Field Robotics</i> , 1996 , 13, 359-370		35
616	Optimal design of magnetorheological fluid-based dampers for front-loaded washing machines. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2014 , 228, 294-306	1.3	34
615	Wear and Friction Characteristics of Magnetorheological Fluid under Magnetic Field Activation. <i>Tribology Transactions</i> , 2011 , 54, 616-624	1.8	34
614	An analytical method for optimal design of MR valve structures. <i>Smart Materials and Structures</i> , 2009 , 18, 095032	3.4	34
613	Vibration control of a frame structure using electro-rheological fluid mounts. <i>International Journal of Mechanical Sciences</i> , 2002 , 44, 2027-2045	5.5	34
612	Vibration Control of an ER Seat Suspension for a Commercial Vehicle. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2003 , 125, 60-68	1.6	33
611	An Approach for Hysteresis Modeling Based on Shape Function and Memory Mechanism. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018 , 23, 1270-1278	5.5	33
610	Material Characterizations of Gr-Based Magnetorheological Elastomer for Possible Sensor Applications: Rheological and Resistivity Properties. <i>Materials</i> , 2019 , 12,	3.5	32
609	Vibration Control of a Flexible Structure Using ER Dampers. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1999 , 121, 134-138	1.6	32
608	Analysis of a Short Squeeze-Film Damper Operating with Electrorheological Fluids. <i>Tribology Transactions</i> , 1995 , 38, 857-862	1.8	32
607	Hydrogen sensing properties and mechanism of NiO-Nb2O5 composite nanoparticle-based electrical gas sensors. <i>Ceramics International</i> , 2017 , 43, 5247-5254	5.1	31
606	An eddy current effect on the response time of a magnetorheological damper: Analysis and experimental validation. <i>Mechanical Systems and Signal Processing</i> , 2019 , 127, 136-158	7.8	31

605	Vibration control of a flexible beam structure using squeeze-mode ER mount. <i>Journal of Sound and Vibration</i> , 2004 , 273, 185-199	3.9	31
604	The influence of particle size on the rheological properties of plate-like iron particle based magnetorheological fluids. <i>Smart Materials and Structures</i> , 2015 , 24, 015004	3.4	30
603	Rheological properties of isotropic magnetorheological elastomers featuring an epoxidized natural rubber. <i>Smart Materials and Structures</i> , 2016 , 25, 107001	3.4	30
602	Optimal design of high damping force engine mount featuring MR valve structure with both annular and radial flow paths. <i>Smart Materials and Structures</i> , 2013 , 22, 115024	3.4	30
601	A new approach to magnetic circuit analysis and its application to the optimal design of a bi-directional magnetorheological brake. <i>Smart Materials and Structures</i> , 2011 , 20, 125003	3.4	30
600	Frontal Crash Mitigation using MR Impact Damper for Controllable Bumper. <i>Journal of Intelligent Material Systems and Structures</i> , 2007 , 18, 1211-1215	2.3	30
599	Vibration control of a vehicle seat suspension featuring a magnetorheological damper based on a new adaptive fuzzy sliding-mode controller. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2016 , 230, 437-458	1.4	29
598	A novel type of tunable magnetorheological dampers operated by permanent magnets. <i>Sensors and Actuators A: Physical</i> , 2017 , 255, 104-117	3.9	29
597	The field-dependent complex modulus of magnetorheological elastomers consisting of sucrose acetate isobutyrate ester. <i>Journal of Intelligent Material Systems and Structures</i> , 2017 , 28, 1993-2004	2.3	29
596	Design of a new adaptive fuzzy controller and its application to vibration control of a vehicle seat installed with an MR damper. <i>Smart Materials and Structures</i> , 2015 , 24, 085012	3.4	29
595	A new composite adaptive controller featuring the neural network and prescribed sliding surface with application to vibration control. <i>Mechanical Systems and Signal Processing</i> , 2018 , 107, 409-428	7.8	29
594	Implementation of functionalized multiwall carbon nanotubes on magnetorheological elastomer. <i>Journal of Materials Science</i> , 2018 , 53, 10122-10134	4.3	29
593	Feedback control of tension in a moving tape using an er brake actuator. <i>Mechatronics</i> , 1997 , 7, 53-66	3	29
592	Interaction of active and passive vibration control of laminated composite beams with piezoceramic sensors/actuators. <i>Materials & Design</i> , 2002 , 23, 277-286		29
591	A comparison of field-dependent rheological properties between spherical and plate-like carbonyl iron particles-based magneto-rheological fluids. <i>Smart Materials and Structures</i> , 2016 , 25, 095025	3.4	29
590	Silica-coated carbonyl iron microsphere based magnetorheological fluid and its damping force characteristics. <i>Smart Materials and Structures</i> , 2013 , 22, 065022	3.4	28
589	A Novel Adaptive PID Controller with Application to Vibration Control of a Semi-Active Vehicle Seat Suspension. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 1055	2.6	28
588	Optimal design and selection of magneto-rheological brake types based on braking torque and mass. <i>Smart Materials and Structures</i> , 2015 , 24, 067001	3.4	28

587	An analytical approach to optimally design of electrorheological fluid damper for vehicle suspension system. <i>Meccanica</i> , 2012 , 47, 1633-1647	2.1	28
586	A hydro-mechanical model for hysteretic damping force prediction of ER damper: experimental verification. <i>Journal of Sound and Vibration</i> , 2005 , 285, 1180-1188	3.9	28
585	Sequential changes in synaptic vesicle pools and endosome-like organelles during depolarization near the active zone of central nerve terminals. <i>Neuroscience</i> , 2002 , 109, 195-206	3.9	28
584	Quantitative feedback theory control of a single-link flexible manipulator featuring piezoelectric actuator and sensor. <i>Smart Materials and Structures</i> , 1999 , 8, 338-349	3.4	28
583	A magneto-rheological fluid mount featuring squeeze mode: analysis and testing. <i>Smart Materials and Structures</i> , 2016 , 25, 055002	3.4	28
582	Vibration control of a semi-active railway vehicle suspension with magneto-rheological dampers. <i>Advances in Mechanical Engineering</i> , 2016 , 8, 168781401664363	1.2	28
581	Vibration Controllability of Sandwich Structures with Smart Materials of Electrorheological Fluids and Magnetorheological Materials: A Review. <i>Journal of Vibration Engineering and Technologies</i> , 2019 , 7, 359-377	2	27
580	Rheological properties of bi-dispersed magnetorheological fluids based on plate-like iron particles with application to a small-sized damper. <i>Journal of Applied Physics</i> , 2014 , 115, 203907	2.5	27
579	A new approach for dynamic modeling of an electrorheological damper using a lumped parameter method. <i>Smart Materials and Structures</i> , 2009 , 18, 115020	3.4	27
578	A Unifying Perspective on the Quasi-steady Analysis of Magnetorheological Dampers. <i>Journal of Intelligent Material Systems and Structures</i> , 2008 , 19, 959-976	2.3	27
577	Hysteretic Behavior of Magnetorheological Fluid and Identification Using Preisach Model. <i>Journal of Intelligent Material Systems and Structures</i> , 2007 , 18, 973-981	2.3	27
576	DESIGN AND TESTING OF A COMPACT MAGNETORHEOLOGICAL DAMPER FOR HIGH IMPULSIVE LOADS. <i>International Journal of Modern Physics B</i> , 2005 , 19, 1549-1555	1.1	27
575	State of the art of medical devices featuring smart electro-rheological and magneto-rheological fluids. <i>Journal of King Saud University - Science</i> , 2017 , 29, 390-400	3.6	26
574	Ethanol sensing properties of networked In ₂ O ₃ nanorods decorated with Cr ₂ O ₃ -nanoparticles. <i>Ceramics International</i> , 2015 , 41, 9823-9827	5.1	26
573	A new tactile device using magneto-rheological sponge cells for medical applications: Experimental investigation. <i>Sensors and Actuators A: Physical</i> , 2016 , 239, 61-69	3.9	26
572	Control of Landing Efficiency of an Aircraft Landing Gear System With Magnetorheological Dampers. <i>Journal of Aircraft</i> , 2019 , 56, 1980-1986	1.6	26
571	Vibration Isolation of Structural Systems Using Squeeze Mode ER Mounts. <i>Journal of Intelligent Material Systems and Structures</i> , 2002 , 13, 421-424	2.3	26
570	Recurrent Mechanism and Impulse Noise Filter for Establishing ANFIS. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 985-997	8.3	25

569	A theoretical model for the field-dependent conductivity of magneto-rheological gels and experimental verification. <i>Sensors and Actuators A: Physical</i> , 2016 , 245, 127-134	3.9	25
568	Design of a 4-DOF MR haptic master for application to robot surgery: virtual environment work. <i>Smart Materials and Structures</i> , 2014 , 23, 095032	3.4	25
567	Design of a novel adaptive fuzzy sliding mode controller and application for vibration control of magnetorheological mount. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2014 , 228, 2285-2302	1.3	25
566	Vibration Control of a Cylindrical Shell Structure Using Macro Fiber Composite Actuators. <i>Mechanics Based Design of Structures and Machines</i> , 2011 , 39, 491-506	1.7	25
565	Dynamic modeling of an electrorheological damper considering the unsteady behavior of electrorheological fluid flow. <i>Smart Materials and Structures</i> , 2009 , 18, 055016	3.4	25
564	Effect of an electromagnetically optimized magnetorheological damper on vehicle suspension control performance. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2008 , 222, 2307-2319	1.4	25
563	A new type of piezostack-driven jetting dispenser for semiconductor electronic packaging: modeling and control. <i>Smart Materials and Structures</i> , 2008 , 17, 015033	3.4	25
562	Passive and active damping characteristics of smart electro-rheological composite beams. <i>Smart Materials and Structures</i> , 2001 , 10, 724-729	3.4	25
561	Material Characterization of a Magnetorheological Fluid Subjected to Long-Term Operation in Damper. <i>Materials</i> , 2018 , 11,	3.5	25
560	A State-of-the-Art Review on Robots and Medical Devices Using Smart Fluids and Shape Memory Alloys. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1928	2.6	25
559	A new adaptive hybrid controller for vibration control of a vehicle seat suspension featuring MR damper. <i>JVC/Journal of Vibration and Control</i> , 2017 , 23, 3392-3413	2	24
558	A ride quality evaluation of a semi-active railway vehicle suspension system with MR damper: Railway field tests. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2017 , 231, 306-316	1.4	24
557	A new fuzzy sliding mode controller for vibration control systems using integrated-structure smart dampers. <i>Smart Materials and Structures</i> , 2017 , 26, 045038	3.4	24
556	Magnetorheological Fluid Based Devices Reported in 2013-2018: Mini-Review and Comment on Structural Configurations. <i>Frontiers in Materials</i> , 2019 , 6,	4	24
555	Hybrid clustering based fuzzy structure for vibration control [Part 1: A novel algorithm for building neuro-fuzzy system. <i>Mechanical Systems and Signal Processing</i> , 2015 , 50-51, 510-525	7.8	24
554	Tribological Characteristics Modification of Magnetorheological Fluid. <i>Journal of Tribology</i> , 2011 , 133,	1.8	24
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552	Comparison of damping force models for an electrorheological fluid damper. <i>International Journal of Vehicle Design</i> , 2003 , 33, 17	2.4	24

551	Vibration control of a rotating cantilevered beam using piezoactuators: experimental work. <i>Journal of Sound and Vibration</i> , 2004 , 277, 436-442	3.9	24
550	Hysteresis identification of polymethylaniline-based ER fluid using Preisach model. <i>Materials & Design</i> , 2003 , 24, 53-61		24
549	Position control of a parallel link manipulator using electro-rheological valve actuators. <i>Mechatronics</i> , 2001 , 11, 157-181	3	24
548	PERFORMANCE ANALYSIS OF AN ENGINE MOUNT FEATURING ER FLUIDS AND PIEZOACTUATORS. <i>International Journal of Modern Physics B</i> , 1996 , 10, 3143-3157	1.1	24
547	Design and performance evaluation of a new jetting dispenser system using two piezostack actuators. <i>Smart Materials and Structures</i> , 2015 , 24, 015020	3.4	23
546	Damping force control of a vehicle MR damper using a Preisach hysteretic compensator. <i>Smart Materials and Structures</i> , 2009 , 18, 074008	3.4	23
545	Force-feedback control of a spherical haptic device featuring an electrorheological fluid. <i>Smart Materials and Structures</i> , 2006 , 15, 1438-1446	3.4	23
544	Discrete-time fuzzy sliding mode control for a vehicle suspension system featuring an electrorheological fluid damper. <i>Smart Materials and Structures</i> , 2007 , 16, 798-808	3.4	23
543	Compliant control of a two-link flexible manipulator featuring piezoelectric actuators. <i>Mechanism and Machine Theory</i> , 2001 , 36, 411-424	4	23
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540	A new vibration isolation bed stage with magnetorheological dampers for ambulance vehicles. <i>Smart Materials and Structures</i> , 2015 , 24, 017001	3.4	22
539	A new method for beam-damage-diagnosis using adaptive fuzzy neural structure and wavelet analysis. <i>Mechanical Systems and Signal Processing</i> , 2013 , 39, 181-194	7.8	22
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