Saiful Amri bin Mazlan

List of Publications by Year
in descending order

237 papers	3,668 citations	172443 29 h-index	197805 49 g-index
246 all docs	246 docs citations	246 times ranked	2145 citing authors

#	Article	IF	Citations
1	Recent Progress on Magnetorheological Solids: Materials, Fabrication, Testing, and Applications. Advanced Engineering Materials, 2015, 17, 563-597.	3.5	302
2	A Review of Classification Techniques of EMG Signals during Isotonic and Isometric Contractions. Sensors, 2016, 16, 1304.	3.8	266
3	A design and modelling review of rotary magnetorheological damper. Materials & Design, 2013, 51, 575-591.	5.1	154
4	Design of magnetorheological damper with a combination of shear and squeeze modes. Materials & Design, 2014, 54, 87-95.	5.1	101
5	A review on preparation techniques for synthesis of nanocrystalline soft magnetic ferrites and investigation on the effects of microstructure features on magnetic properties. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	100
6	The Field-Dependent Rheological Properties of Magnetorheological Grease Based on Carbonyl-Iron-Particles. Smart Materials and Structures, 2016, 25, 095043.	3.5	69
7	An investigation of the behaviour of magnetorheological fluids in compression mode. Journal of Materials Processing Technology, 2008, 201, 780-785.	6.3	65
8	The performance of magnetorheological fluid in squeeze mode. Smart Materials and Structures, 2007, 16, 1678-1682.	3.5	57
9	Design and performance analysis of a compact magnetorheological valve with multiple annular and radial gaps. Journal of Intelligent Material Systems and Structures, 2015, 26, 1038-1049.	2.5	55
10	A high performance magnetorheological valve with a meandering flow path. Smart Materials and Structures, 2014, 23, 065017.	3.5	54
11	A review of design and modeling of magnetorheological valve. International Journal of Modern Physics B, 2015, 29, 1530004.	2.0	54
12	Material Characterizations of Gr-Based Magnetorheological Elastomer for Possible Sensor Applications: Rheological and Resistivity Properties. Materials, 2019, 12, 391.	2.9	48
13	Magnetic circuit design for the squeeze mode experiments on magnetorheological fluids. Materials & Design, 2009, 30, 1985-1993.	5.1	46
14	Effects of multiwall carbon nanotubes on viscoelastic properties of magnetorheological elastomers. Smart Materials and Structures, 2016, 25, 077001.	3.5	46
15	Constitutive models of magnetorheological fluids having temperature-dependent prediction parameter. Smart Materials and Structures, 2018, 27, 095001.	3.5	46
16	Magnetic carbonyl iron suspension with Ni-Zn ferrite additive and its magnetorheological properties. Materials Letters, 2016, 181, 196-199.	2.6	45
17	Simple robust road lane detection algorithm. , 2014, , .		44
18	A Path Tracking Algorithm Using Future Prediction Control with Spike Detection for an Autonomous Vehicle Robot. International Journal of Advanced Robotic Systems, 2013, 10, 309.	2.1	43

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19	A comparative study of different concentrations of pure Zn powder effects on synthesis, structure, magnetic and microwave-absorbing properties in mechanically-alloyed Niâ€“Zn ferrite. Journal of Physics and Chemistry of Solids, 2016, 96-97, 49-59.	4.0	41
20	Field Responsive Fluids as Smart Materials. Engineering Materials, 2016, , .	0.6	41
21	Material Characterization of a Magnetorheological Fluid Subjected to Long-Term Operation in Damper. Materials, 2018, 11, 2195.	2.9	40
22	A comparison of field-dependent rheological properties between spherical and plate-like carbonyl iron particles-based magneto-rheological fluids. Smart Materials and Structures, 2016, 25, 095025.	3.5	39
23	Development of a modular MR valve using meandering flow path structure. Smart Materials and Structures, 2016, 25, 037001.	3.5	39
24	Synthesis, characterization and magnetorheological properties of carbonyl iron suspension with superparamagnetic nanoparticles as an additive. Smart Materials and Structures, 2016, 25, 025025.	3.5	37
25	A phenomenological dynamic model of a magnetorheological damper using a neuro-fuzzy system. Smart Materials and Structures, 2013, 22, 125013.	3.5	35
26	Fabrication of spherical CoFe₂O₄ nanoparticles via solâ€“gel and hydrothermal methods and investigation of their magnetorheological characteristics. RSC Advances, 2016, 6, 89510-89522.	3.6	35
27	Rheological properties of isotropic magnetorheological elastomers featuring an epoxidized natural rubber. Smart Materials and Structures, 2016, 25, 107001.	3.5	34
28	The field-dependent complex modulus of magnetorheological elastomers consisting of sucrose acetate isobutyrate ester. Journal of Intelligent Material Systems and Structures, 2017, 28, 1993-2004.	2.5	34
29	Implementation of functionalized multiwall carbon nanotubes on magnetorheological elastomer. Journal of Materials Science, 2018, 53, 10122-10134.	3.7	32
30	Role of Additives in Enhancing the Rheological Properties of Magnetorheological Solids: A Review. Advanced Engineering Materials, 2019, 21, 1800696.	3.5	32
31	Mechanochemical durability and self-cleaning performance of zinc oxide-epoxy superhydrophobic coating prepared via a facile one-step approach. Ceramics International, 2021, 47, 15825-15833.	4.8	32
32	An enhancement of mechanical and rheological properties of magnetorheological elastomer with multiwall carbon nanotubes. Journal of Intelligent Material Systems and Structures, 2017, 28, 3127-3138.	2.5	31
33	A new constitutive model of a magneto-rheological fluid actuator using an extreme learning machine method. Sensors and Actuators A: Physical, 2018, 281, 209-221.	4.1	31
34	Characterization and modeling of a new magnetorheological damper with meandering type valve using neuro-fuzzy. Journal of King Saud University - Science, 2017, 29, 468-477.	3.5	30
35	Enhancement of Particle Alignment Using Silicone Oil Plasticizer and Its Effects on the Field-Dependent Properties of Magnetorheological Elastomers. International Journal of Molecular Sciences, 2019, 20, 4085.	4.1	30
36	The field-dependent rheological properties of plate-like carbonyl iron particle-based magnetorheological elastomers. Results in Physics, 2019, 12, 2146-2154.	4.1	30

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37	A Concentric Design of a Bypass Magnetorheological Fluid Damper with a Serpentine Flux Valve. Actuators, 2020, 9, 16.	2.3	30
38	A comparative work on the magnetic field-dependent properties of plate-like and spherical iron particle-based magnetorheological grease. PLoS ONE, 2018, 13, e0191795.	2.5	28
39	Enhanced magnetorheology of soft magnetic carbonyl iron suspension with binary mixture of Ni-Zn ferrite and Fe3O4 nanoparticle additive. Colloid and Polymer Science, 2017, 295, 1499-1510.	2.1	27
40	Testing and parametric modeling of magnetorheological valve with meandering flow path. Nonlinear Dynamics, 2016, 85, 287-302.	5.2	26
41	Thermal Stability and Rheological Properties of Epoxidized Natural Rubber-Based Magnetorheological Elastomer. International Journal of Molecular Sciences, 2019, 20, 746.	4.1	26
42	Potential Applications of Magnetorheological Elastomers. Applied Mechanics and Materials, 0, 663, 695-699.	0.2	24
43	Design of magnetorheological valve using serpentine flux path method. International Journal of Applied Electromagnetics and Mechanics, 2016, 50, 29-44.	0.6	24
44	A Review on the Control of the Mechanical Properties of Ankle Foot Orthosis for Gait Assistance. Actuators, 2019, 8, 10.	2.3	24
45	Prediction of field-dependent rheological properties of magnetorheological grease using extreme learning machine method. Journal of Intelligent Material Systems and Structures, 2019, 30, 1727-1742.	2.5	24
46	Accurate and fast estimation for field-dependent nonlinear damping force of meandering valve-based magnetorheological damper using extreme learning machine method. Sensors and Actuators A: Physical, 2021, 318, 112479.	4.1	24
47	Assessment on Stationarity of EMG Signals with Different Windows Size During Isotonic Contractions. Applied Sciences (Switzerland), 2017, 7, 1050.	2.5	23
48	Apparent stressâ€“strain relationships in experimental equipment where magnetorheological fluids operate under compression mode. Journal Physics D: Applied Physics, 2008, 41, 095002.	2.8	22
49	Modeling and simulation of vehicle steer by wire system. , 2012, , .		22
50	A new class of magnetorheological elastomers based on waste tire rubber and the characterization of their properties. Smart Materials and Structures, 2016, 25, 115002.	3.5	22
51	Fabrication and investigation on field-dependent properties of natural rubber based magneto-rheological elastomer isolator. Smart Materials and Structures, 2016, 25, 107002.	3.5	22
52	The field-dependent viscoelastic and transient responses of plate-like carbonyl iron particle based magnetorheological greases. Journal of Intelligent Material Systems and Structures, 2019, 30, 788-797.	2.5	22
53	Influence of piston and magnetic coils on the field-dependent damping performance of a mixed-mode magnetorheological damper. Smart Materials and Structures, 2016, 25, 055010.	3.5	21
54	Development of Estimation Force Feedback Torque Control Algorithm for Driver Steering Feel in Vehicle Steer by Wire System: Hardware in the Loop. International Journal of Vehicular Technology, 2015, 2015, 1-17.	1.1	20

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55	A new control-oriented transient model of variable geometry turbocharger. Energy, 2017, 125, 297-312.	8.8	20
56	The Effect of Particle Shapes on the Field-Dependent Rheological Properties of Magnetorheological Greases. International Journal of Molecular Sciences, 2019, 20, 1525.	4.1	20
57	A new platform for the prediction of field-dependent yield stress and plastic viscosity of magnetorheological fluids using particle swarm optimization. Applied Soft Computing Journal, 2019, 76, 615-628.	7.2	20
58	Physicochemical characterization and rheological properties of magnetic elastomers containing different shapes of corroded carbonyl iron particles. Scientific Reports, 2021, 11, 868.	3.3	20
59	OPTIMAL CONTROL STRATEGY FOR LOW SPEED AND HIGH SPEED FOUR-WHEEL-ACTIVE STEERING VEHICLE. Journal of Mechanical Engineering and Sciences, 2015, 8, 1516-1528.	0.6	20
60	Vehicle Path Tracking Using Future Prediction Steering Control. Procedia Engineering, 2012, 41, 473-479.	1.2	19
61	Fabrication and viscoelastic characteristics of waste tire rubber based magnetorheological elastomer. Smart Materials and Structures, 2016, 25, 115026.	3.5	19
62	Compressive and tensile stresses of magnetorheological fluids in squeeze mode. International Journal of Applied Electromagnetics and Mechanics, 2011, 36, 327-337.	0.6	18
63	Electromyography (EMG) based signal analysis for physiological device application in lower limb rehabilitation. , 2015, , .		17
64	Characterization of morphological and rheological properties of rigid magnetorheological foams via in situ fabrication method. Journal of Materials Science, 2019, 54, 13821-13833.	3.7	17
65	Rheological and Resistance Properties of Magnetorheological Elastomer with Cobalt for Sensor Application. Applied Sciences (Switzerland), 2020, 10, 1638.	2.5	17
66	A comparative assessment of different dispersing aids in enhancing magnetorheological elastomer properties. Smart Materials and Structures, 2018, 27, 117002.	3.5	16
67	Application of an Active Anti-roll bar system for enhancing vehicle ride and handling. , 2012, , .		15
68	Enhancement of Viscoelastic and Electrical Properties of Magnetorheological Elastomers with Nanosized Ni-Mg Cobalt-Ferrites as Fillers. Materials, 2019, 12, 3531.	2.9	15
69	Vehicle collision avoidance motion planning strategy using artificial potential field with adaptive multiâ€speed scheduler. IET Intelligent Transport Systems, 2020, 14, 1200-1209.	3.0	15
70	Adaptive Fuzzy-PI Control for Active Front Steering System of Armoured Vehicles: Outer Loop Control Design for Firing On The Move System. Strojniski Vestnik/Journal of Mechanical Engineering, 2015, 61, 187-195.	1.1	14
71	Experiments and modeling of a new magnetorheological cell under combination of flow and shear-flow modes. Journal of Non-Newtonian Fluid Mechanics, 2015, 215, 70-79.	2.4	14
72	Dynamic Curvature Steering Control for Autonomous Vehicle: Performance Analysis. IOP Conference Series: Materials Science and Engineering, 2016, 114, 012149.	0.6	14

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73	Incorporation of cobalt ferrite on the field dependent performances of magnetorheological grease. Journal of Materials Research and Technology, 2020, 9, 15566-15574.	5.8	14
74	Magnetic circuit optimization in designing Magnetorheological damper. Smart Structures and Systems, 2014, 14, 869-881.	1.9	14
75	Performance of bidisperse magnetorheological fluids utilizing superparamagnetic maghemite nanoparticles. AIP Conference Proceedings, 2016, , .	0.4	13
76	Swelling, Thermal, and Shear Properties of a Waste Tire Rubber Based Magnetorheological Elastomer. Frontiers in Materials, 2019, 6, .	2.4	13
77	Rheological Performance of Magnetorheological Grease with Embedded Graphite Additives. Materials, 2021, 14, 5091.	2.9	13
78	Fluidâ€“Particle Separation of Magnetorheological Fluid in Squeeze Mode. Japanese Journal of Applied Physics, 2012, 51, 067301.	1.5	12
79	Parameters Consideration in Designing a Magnetorheological Damper. Key Engineering Materials, 0, 543, 487-490.	0.4	12
80	Bypass Rotary Magnetorheological Damper for Automotive Applications. Applied Mechanics and Materials, 0, 663, 685-689.	0.2	12
81	Study of extreme learning machine activation functions for magnetorheological fluid modelling in medical devices application. , 2017, , .		12
82	The Effect of Microparticles on the Storage Modulus and Durability Behavior of Magnetorheological Elastomer. Micromachines, 2021, 12, 948.	2.9	12
83	FUZZY LOGIC CONTROL FOR ANKLE FOOT ORTHOSES EQUIPPED WITH MAGNETORHEOLOGICAL BRAKE. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	11
84	An investigation on the mitigation of end-stop impacts in a magnetorheological damper operated by the mixed mode. Smart Materials and Structures, 2016, 25, 125005.	3.5	11
85	Improved Gender Recognition during Stepping Activity for Rehab Application Using the Combinatorial Fusion Approach of EMG and HRV. Applied Sciences (Switzerland), 2017, 7, 348.	2.5	11
86	Simulation and experimental investigation of vehicle braking system employing a fixed caliper based electronic wedge brake. Simulation, 2018, 94, 327-340.	1.8	11
87	Material Characterization of Magnetorheological Elastomers with Corroded Carbonyl Iron Particles: Morphological Images and Field-dependent Viscoelastic Properties. International Journal of Molecular Sciences, 2019, 20, 3311.	4.1	11
88	Magnetic and Tunable Sound Absorption Properties of an In-Situ Prepared Magnetorheological Foam. Materials, 2020, 13, 5637.	2.9	11
89	Constitutive models for predicting field-dependent viscoelastic behavior of magnetorheological elastomer using machine learning. Smart Materials and Structures, 2020, 29, 087001.	3.5	11
90	Microstructural behavior of magnetorheological elastomer undergoing durability evaluation by stress relaxation. Scientific Reports, 2021, 11, 10936.	3.3	11

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91	Magnetic Circuit Simulation for Magnetorheological (MR) Fluids Testing Rig in Squeeze Mode. Advanced Materials Research, 0, 123-125, 991-994.	0.3	10
92	A Feasibility Study of Magnetorheological Elastomer Base Isolator. Applied Mechanics and Materials, 2014, 660, 763-767.	0.2	10
93	Model-Based Detection and Tracking of Single Moving Object Using Laser Range Finder. , 2014, , .		10
94	Control Reference Parameter for Stance Assistance Using a Passive Controlled Ankle Foot Orthosisâ€"A Preliminary Study. Applied Sciences (Switzerland), 2019, 9, 4416.	2.5	10
95	Enhancement of sensitivity of magnetostrictive foam in low magnetic fields for sensor applications. Polymer, 2020, 211, 123083.	3.8	10
96	The Rheological Studies on Poly(vinyl) Alcohol-Based Hydrogel Magnetorheological Plastomer. Polymers, 2020, 12, 2332.	4.5	10
97	Solvent Dependence of the Rheological Properties in Hydrogel Magnetorheological Plastomer. International Journal of Molecular Sciences, 2020, 21, 1793.	4.1	10
98	Effects of silica on mechanical and rheological properties of EPDM-based magnetorheological elastomers. Smart Materials and Structures, 2021, 30, 105033.	3.5	10
99	Tensile Stress-Strain Relationships of Magnetorheological Fluids under Various Factors. Solid State Phenomena, 0, 154, 127-132.	0.3	9
100	Magnetorheological Fluid Applications. Engineering Materials, 2016, , 67-81.	0.6	9
101	An Overview of Durability Evaluations of Elastomer-Based Magnetorheological Materials. IEEE Access, 2020, 8, 134536-134552.	4.2	9
102	Shear band formation in magnetorheological elastomer under stress relaxation. Smart Materials and Structures, 2021, 30, 045015.	3.5	9
103	PID plus LQR attitude control for hexarotor MAV in indoor environments. , 2014, , .		8
104	Thermal Aging Rheological Behavior of Magnetorheological Elastomers Based on Silicone Rubber. International Journal of Molecular Sciences, 2020, 21, 9007.	4.1	8
105	Systematic Review on the Effects, Roles and Methods of Magnetic Particle Coatings in Magnetorheological Materials. Materials, 2020, 13, 5317.	2.9	8
106	Sensitivities of Rheological Properties of Magnetoactive Foam for Soft Sensor Technology. Sensors, 2021, 21, 1660.	3.8	8
107	Tracking uncertain moving objects using dynamic track management in Multiple Hypothesis Tracking. , 2014, , .		7
108	Dynamic curvature path tracking control for autonomous vehicle: Experimental results. , 2014, , .		7

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109	Magnetorheological valve based actuator for improvement of passively controlled turbocharger system. AIP Conference Proceedings, 2016, , .	0.4	7
110	An overview of nanoparticles utilization in magnetorheological materials. AIP Conference Proceedings, 2016, , .	0.4	7
111	A Conceptual Framework to determine Medical Equipment Maintenance in Hospital Using RCM Method. MATEC Web of Conferences, 2019, 266, 02011.	0.2	7
112	Tunable low range Gr induced magnetorheological elastomer with magnetically conductive feedback. Smart Materials and Structures, 2020, 29, 057001.	3.5	7
113	The Effect of Sr-CoFe2O4 Nanoparticles with Different Particles Sized as Additives in CIP-Based Magnetorheological Fluid. Materials, 2021, 14, 3684.	2.9	7
114	Modelling and Control of a Fixed Calliper-Based Electronic Wedge Brake. Strojniski Vestnik/Journal of Mechanical Engineering, 2017, 63, 181-190.	1.1	7
115	Magnetorheological Fluids Behaviour in Tension Loading Mode. Advanced Materials Research, 0, 47-50, 242-245.	0.3	6
116	Fitting Distribution for Electromyography and Electroencephalography Signals Based on Goodness-of-Fit Tests. Procedia Computer Science, 2015, 76, 468-473.	2.0	6
117	Active front steering for steer-by-wire vehicle via composite nonlinear feedback control. , 2015, , .		6
118	Properties of plate-like carbonyl iron particle for magnetorheological fluid. Journal of Physics: Conference Series, 2016, 776, 012033.	0.4	6
119	Perfect sound insulation property of reclaimed waste tire rubber. AIP Conference Proceedings, 2016, , .	0.4	6
120	Performance prediction of serpentine type compact magnetorheological brake prototype. AIP Conference Proceedings, 2017, , .	0.4	6
121	Improvement of magnetorheological greases with superparamagnetic nanoparticles. MATEC Web of Conferences, 2018, 159, 02066.	0.2	6
122	A Model of Magnetorheological Grease using Machine Learning Method. Key Engineering Materials, 2018, 775, 191-197.	0.4	6
123	Seismic Vulnerability Assessment in Ranau, Sabah, Using Two Different Models. ISPRS International Journal of Geo-Information, 2021, 10, 271.	2.9	6
124	A mathematical modelling and experimental study of annular-radial type magnetorheological damper. International Journal of Applied Electromagnetics and Mechanics, 2021, 66, 543-560.	0.6	6
125	Physicochemical Properties and Stress-Strain Compression Behaviors of a Waste based Magnetorheological Elastomers. Scientia Iranica, 2016, 23, 1144-1159.	0.4	6
126	Temperature Dependent on Mechanical and Rheological Properties of EPDM-Based Magnetorheological Elastomers Using Silica Nanoparticles. Materials, 2022, 15, 2556.	2.9	6

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127	Field-Dependent Rheological Properties of Magnetorheological Elastomer with Fountain-Like Particle Chain Alignment. Micromachines, 2022, 13, 492.	2.9	6
128	Implementation of Magnetostrictive Material Terfenol-D in CNG Fuel Injection Actuation. Advanced Materials Research, 2008, 47-50, 630-633.	0.3	5
129	An Experimental Investigation of Magnetorheological (MR) Fluids under Quasi-Static Loadings. Key Engineering Materials, 2011, 495, 285-288.	0.4	5
130	Electrocardiographic (ECG) and Electromyographic (EMG) signals fusion for physiological device in rehab application. , 2014, , .		5
131	Human gesture recognition using a low cost stereo vision in rehab activities. , 2015, , .		5
132	Effect of carbonyl iron particles composition on the physical characteristics of MR grease. AIP Conference Proceedings, 2016, , .	0.4	5
133	Effects of corrosion rate of the magnetic particles on the field-dependent material characteristics of silicone based magnetorheological elastomers. Smart Materials and Structures, 2020, 29, 087003.	3.5	5
134	Relationship between the response of microscopic and magnetic properties with highly uniform dispersion of carbonyl iron particles in magnetorheological polyurethane foam. Smart Materials and Structures, 2020, 29, 115012.	3.5	5
135	Preliminary experimental evaluation of a novel loudspeaker featuring magnetorheological fluid surround absorber. Indonesian Journal of Electrical Engineering and Computer Science, 2020, 17, 922.	0.8	5
136	LQG Control Design for Vehicle Active Anti-Roll Bar System. Applied Mechanics and Materials, 0, 663, 146-151.	0.2	4
137	Investigation on magnetic field dependent modulus of epoxidized natural rubber based magnetorheological elastomer. Journal of Physics: Conference Series, 2016, 776, 012024.	0.4	4
138	Three-dimensional finite element magnetic simulation of an innovative multi-coiled magnetorheological brake. IOP Conference Series: Materials Science and Engineering, 2017, 257, 012052.	0.6	4
139	Improving Passive Ankle Foot Orthosis System Using Estimated Ankle Velocity Reference. IEEE Access, 2020, 8, 194780-194794.	4.2	4
140	A Transient Model of a Variable Geometry Turbocharger Turbine Using a Passive Actuator. Arabian Journal for Science and Engineering, 2021, 46, 2565-2577.	3.0	4
141	A machine learning approach to estimate magnetorheological suspension composition based on magnetic field dependent-rheological properties. Smart Materials and Structures, 2021, 30, 105013.	3.5	4
142	Mini review: an insight on the fabrication methods of smart magnetic polymer foam. Journal of Magnetism and Magnetic Materials, 2021, 534, 168038.	2.3	4
143	The effect of MnxCo(1-x)Fe2O4 with x = 0, 0.25 and 0.5 as nanoparticles additives in magnethorheological fluid. Smart Materials and Structures, 2020, 29, 114004.	3.5	4
144	Declining Performance of Silicone-Based Magnetorheological Elastomers after Accelerated Weathering. Materials, 2021, 14, 6389.	2.9	4

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145	Non-parametric multiple inputs prediction model for magnetic field dependent complex modulus of magnetorheological elastomer. Scientific Reports, 2022, 12, 2657.	3.3	4
146	A Simulation Study of Magnetostrictive Material Terfenol-D in Automotive CNG Fuel Injection Actuation. Solid State Phenomena, 0, 154, 41-46.	0.3	3
147	The Strain Energy Tuning of the Shape Memory Alloy on the Post-Buckling of Composite Plates Using Finite Element Method. Advanced Materials Research, 0, 445, 577-582.	0.3	3
148	Modeling, attitude estimation, and control of Hexarotor micro aerial vehicle (MAV). , 2014, , .		3
149	Wheel Synchronization Control in Steer-by-Wire Using Composite Nonlinear Feedback. Applied Mechanics and Materials, 2014, 575, 762-765.	0.2	3
150	A GA-Weighted Adaptive Neuro-Fuzzy Model to Predict the Behaviour of Magnetorheological Damper. Applied Mechanics and Materials, 2014, 663, 203-207.	0.2	3
151	A New Concept of Multimode Magnetorheological Brake Design. Key Engineering Materials, 0, 605, 271-274.	0.4	3
152	The Variable Steering Ratio for Vehicle Steer by Wire System Using Hyperbolic Tangent Method. Applied Mechanics and Materials, 2014, 575, 781-784.	0.2	3
153	Optimized Potential Radius Reference Generator Algorithm for Autonomous Vehicle Controller Development. Applied Mechanics and Materials, 2014, 663, 198-202.	0.2	3
154	Application of Serpentine Flux Path Method into a Magnetorheological Valve by FEMM Simulation. Advanced Materials Research, 0, 1123, 7-11.	0.3	3
155	Development of controller for Passive Control Ankle Foot Orthoses (PICAFO) based on Electromyography (EMG) signal and angle. , 2015, , .		3
156	Study on the potential application of electronic wedge brake for vehicle brake system. International Journal of Modelling, Identification and Control, 2015, 23, 306.	0.2	3
157	Modeling, validation and firing-on-the-move control of armored vehicles using active front-wheel steering. Journal of Defense Modeling and Simulation, 2016, 13, 253-267.	1.7	3
158	Optimisation of yaw rejection control for armoured vehicle using Taguchi method. International Journal of Heavy Vehicle Systems, 2016, 23, 60.	0.2	3
159	Rheological properties of carbon nanotubes-reinforced magnetorheological elastomer. Journal of Physics: Conference Series, 2017, 795, 012074.	0.4	3
160	Hybrid Magnetorheological Elastomer, the Future of Gait Detection. Key Engineering Materials, 0, 775, 177-183.	0.4	3
161	New Variable Stiffness Damper with Magnetorheological-Based Accumulator Control. Key Engineering Materials, 2018, 775, 204-209.	0.4	3
162	Effects of magnetic field and particles content on rheology and resistivity behavior of magnetorheological elastomer with embedded cobalt particles. Smart Materials and Structures, 2021, 30, 055002.	3.5	3

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163	The Gender Effects of Heart Rate Variability Response during Short-Term Exercise using Stair Stepper from Statistical Analysis. Indonesian Journal of Electrical Engineering and Computer Science, 2016, 2, 359.	0.8	3
164	Effect of Curing Current on Stiffness and Damping Properties of Magnetorheological Elastomers. International Journal of Sustainable Transportation Technology, 2018, 1, 51-58.	0.2	3
165	Antilock Braking System Slip Control Modeling Revisited. Applied Mechanics and Materials, 0, 393, 637-643.	0.2	2
166	Combined CNF with LQR in Improving Ride and Handling for Ground Vehicle. Applied Mechanics and Materials, 0, 575, 749-752.	0.2	2
167	Simulation and model verification of a vehicle handling dynamics. , 2015, , .		2
168	Simulation study of electromagnetic circuit design in laminated magnetorheological elastomer isolator. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012062.	0.6	2
169	Longitudinal slip control using Magnetorheological brake via Second Order Sliding Mode Controller. , 2015, , .		2
170	Biosignals based intelligent control interface for current-induced physiological devices. , 2015, , .		2
171	Effect of sucrose acetate isobutyrate ester on the epoxidised natural rubber based magnetorheological elastomers. Journal of Physics: Conference Series, 2016, 776, 012034.	0.4	2
172	Steady compression characteristics of laminated MRE isolator. Journal of Physics: Conference Series, 2016, 776, 012036.	0.4	2
173	Magnetostatic simulation on a novel design of axially multi-coiled magnetorheological brakes. AIP Conference Proceedings, 2016, , .	0.4	2
174	Magnetorheological (MR) Fluids. Engineering Materials, 2016, , 13-50.	0.6	2
175	Preparation of Magnetic Nanoparticle. Engineering Materials, 2016, , 121-126.	0.6	2
176	Insight into the Field Responsive Fluids. Engineering Materials, 2016, , 127-134.	0.6	2
177	An application of extreme learning machine in a graphical user interface for magnetorheological fluid study. , 2017, , .		2
178	Performance investigation of the crossflow water turbine by using CFD. AIP Conference Proceedings, 2019, , .	0.4	2
179	Effect of Hard Magnetic CoFe₂O₄ Nanoparticles Additives on Improving Rheological Properties and Dispersion Stability of Magnetorheological Fluids. Key Engineering Materials, 0, 855, 89-95.	0.4	2
180	Enhancement of the rheological properties of magnetorheological elastomer via polystyreneâ€grafted carbonyl iron particles. Journal of Applied Polymer Science, 2021, 138, 50860.	2.6	2

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181	Loss Factor Behavior of Thermally Aged Magnetorheological Elastomers. Materials, 2021, 14, 4874.	2.9	2
182	An Insight into Amorphous Shear Band in Magnetorheological Solid by Atomic Force Microscope. Materials, 2021, 14, 4384.	2.9	2
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