

Masami Nakano

List of Publications by Year in descending order

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56
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575
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687363

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677142

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57
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times ranked

432
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Experimental Study of a Variable Stiffness Seat Suspension Installed With a Compact Rotary MR Damper. <i>Frontiers in Materials</i> , 2021, 8, . | 2.4 | 11 |
| 2 | A magnetorheological elastomer rail damper for wideband attenuation of rail noise and vibration. <i>Journal of Intelligent Material Systems and Structures</i> , 2020, 31, 220-228. | 2.5 | 16 |
| 3 | Development and damping properties of a seismic linear motion damper with MR fluid porous composite rotary brake. <i>Smart Materials and Structures</i> , 2020, 29, 115043. | 3.5 | 9 |
| 4 | Shape-Controlled Syntheses of Magnetite Microparticles and Their Magnetorheology. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3617. | 4.1 | 7 |
| 5 | Development of magnetorheological elastomers-based tuned mass damper for building protection from seismic events. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 1777-1789. | 2.5 | 37 |
| 6 | Applications of shear thickening fluids: a review. <i>International Journal of Hydromechatronics</i> , 2018, 1, 238. | 2.3 | 18 |
| 7 | A combined analytical and numerical analysis of the flow-acoustic coupling in a cavity-pipe system. <i>Theoretical and Computational Fluid Dynamics</i> , 2018, 32, 451-473. | 2.2 | 2 |
| 8 | Design and testing of a rotational brake with shear thickening fluids. <i>Smart Materials and Structures</i> , 2017, 26, 035038. | 3.5 | 44 |
| 9 | Micro-gap flow behavior and micro-structure of stored electro-rheological nano-suspensions in the presence of sinusoidal electric field. <i>Colloid and Polymer Science</i> , 2017, 295, 441-451. | 2.1 | 0 |
| 10 | Energy conversion in magneto-rheological elastomers. <i>Science and Technology of Advanced Materials</i> , 2017, 18, 766-778. | 6.1 | 26 |
| 11 | Asymptotic and numerical analysis of resonance and lock-in by flow-acoustic interaction in an expansion chamber-pipe system. <i>Journal of Fluid Science and Technology</i> , 2016, 11, JFST0030-JFST0030. | 0.6 | 1 |
| 12 | Simultaneous observations of microgap flow behavior and microstructure of electro-rheological nano-suspensions based on titanium dioxide nano-particles. <i>Colloid and Polymer Science</i> , 2015, 293, 2531-2541. | 2.1 | 1 |
| 13 | Development of a linear damper working with magnetorheological shear thickening fluids. <i>Journal of Intelligent Material Systems and Structures</i> , 2015, 26, 1811-1817. | 2.5 | 34 |
| 14 | Fabrication and electrorotation of a novel epoxy based micromotor working in a uniform DC electric field. <i>Smart Materials and Structures</i> , 2015, 24, 105010. | 3.5 | 3 |
| 15 | A numerical study of the hole-tone phenomenon subjected to non-axisymmetric shape perturbations of the jet nozzle. <i>Theoretical and Computational Fluid Dynamics</i> , 2015, 29, 127-153. | 2.2 | 3 |
| 16 | Dynamic restriction mechanism for the upper limit of exhaust flow rates in the real-time sensing-based forced ventilation control of leaking hydrogen. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 4401-4411. | 7.1 | 5 |
| 17 | An adaptive tuned vibration absorber based on multilayered MR elastomers. <i>Smart Materials and Structures</i> , 2015, 24, 045045. | 3.5 | 64 |
| 18 | Experimental and modelling study of the effect of temperature on shear thickening fluids. <i>Korea Australia Rheology Journal</i> , 2015, 27, 17-24. | 1.7 | 45 |

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|----|--|-----|-----------|
| 19 | Experimental and modeling study of viscoelastic behaviors of magneto-rheological shear thickening fluids. Korea Australia Rheology Journal, 2014, 26, 149-158. | 1.7 | 33 |
| 20 | Development and micro-gap flow evaluation of electro-rheological nano-suspensions. Colloid and Polymer Science, 2013, 291, 1279-1286. | 2.1 | 2 |
| 21 | Applications of Electro-/Magneto-Rheological Fluids to Vibration Control Systems. Journal of the Robotics Society of Japan, 2013, 31, 452-456. | 0.1 | 0 |
| 22 | Electrorotation of novel electroactive polymer composites in uniform DC and AC electric fields. Smart Materials and Structures, 2012, 21, 065022. | 3.5 | 5 |
| 23 | Active loading machine using MR fluid clutch for leg rehabilitation system. International Journal of Applied Electromagnetics and Mechanics, 2012, 39, 463-469. | 0.6 | 7 |
| 24 | Sensing-based risk mitigation control of hydrogen dispersion and accumulation in a partially open space with low-height openings by forced ventilation. International Journal of Hydrogen Energy, 2012, 37, 1972-1984. | 7.1 | 11 |
| 25 | Acceleration of hydrogen forced ventilation after leakage ceases in a partially open space. International Journal of Hydrogen Energy, 2012, 37, 7940-7949. | 7.1 | 13 |
| 26 | Development of a Passive Type MR Damper with Variable Damping Characteristics Dependent on the Displacement and Velocity. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2011, 77, 257-269. | 0.2 | 1 |
| 27 | Direct Computation of a Hole-Tone Feedback System at Very Low Mach Numbers. Journal of Fluid Science and Technology, 2011, 6, 548-561. | 0.6 | 9 |
| 28 | Development and flow evaluation of electro-rheological nano-suspensions. Colloid and Polymer Science, 2011, 289, 855-862. | 2.1 | 6 |
| 29 | Numerical Evaluation Method for Semi-Active Damping Characteristics of a Passive-Type MR Damper with Functional Damping Force. Journal of Intelligent Material Systems and Structures, 2011, 22, 327-336. | 2.5 | 1 |
| 30 | Direct Numerical Simulation of Global Instability in a Hole-Tone Feedback System. , 2011, , . | | 0 |
| 31 | Study on the Development of Passive MR Damper with Displacement-Dependent Damping Characteristics. Journal of Fluid Science and Technology, 2010, 5, 86-97. | 0.6 | 10 |
| 32 | Damping and response characteristics of passive type MR damper. International Journal of Applied Electromagnetics and Mechanics, 2010, 33, 911-917. | 0.6 | 5 |
| 33 | Forced ventilation for sensing-based risk mitigation of leaking hydrogen in a partially open space. International Journal of Hydrogen Energy, 2010, 35, 4776-4786. | 7.1 | 21 |
| 34 | Design and development of a braille display using micro actuators driven by ER suspension. International Journal of Applied Electromagnetics and Mechanics, 2010, 33, 1661-1669. | 0.6 | 8 |
| 35 | The sensing-based adaptive risk mitigation of leaking hydrogen in a partially open space. International Journal of Hydrogen Energy, 2009, 34, 8770-8782. | 7.1 | 17 |
| 36 | Research Trends and Future Prospects on Functional Fluids(<Special Issue>Flow Behaviour and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2009, 75, 893-900. | 0.2 | 0 |

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|----|---|-----|-----------|
| 37 | 202 ER valve flow behavior of ER suspension and Its application to micro-actuator for Braille display(1). The Proceedings of the Fluids Engineering Conference, 2006, 2006, _202-a_. | 0.0 | 0 |
| 38 | 2306 Rheological Properties and Flow Behavior of Nano-Particle ER fluid In Shear Flow Mode. The Proceedings of the JSME Annual Meeting, 2006, 2006.2, 25-26. | 0.0 | 0 |
| 39 | 202 ER valve flow behavior of ER suspension and Its application to micro-actuator for Braille display(2). The Proceedings of the Fluids Engineering Conference, 2006, 2006, _202-1_-_202-4_. | 0.0 | 0 |
| 40 | EVALUATIONS OF CLUSTER STRUCTURE AND MAGNETO-RHEOLOGY OF MR SUSPENSIONS. , 2005, , . | | 1 |
| 41 | Dynamic Shear Flow Behavior of Magneto-Rheological Fluid between Two Rotating Parallel Disks under Relatively Weak Magnetic Field. JSME International Journal Series B, 2005, 48, 494-500. | 0.3 | 9 |
| 42 | EVALUATIONS OF CLUSTER STRUCTURE AND MAGNETO-RHEOLOGY OF MR SUSPENSIONS. International Journal of Modern Physics B, 2005, 19, 1437-1442. | 2.0 | 11 |
| 43 | THE JET HOLE-TONE OSCILLATION CYCLE SUBJECTED TO ACOUSTIC EXCITATION : A NUMERICAL STUDY BASED ON AN AXISYMMETRIC VORTEX METHOD(Sound and Nature). The Proceedings of the International Conference on Jets Wakes and Separated Flows (ICJWSF), 2005, 2005, 745-750. | 0.1 | 2 |
| 44 | 308 PIV Measurement on Flow Structure around a Car Mirror. The Proceedings of Autumn Conference of Tohoku Branch, 2005, 2005.41, 101-102. | 0.0 | 0 |
| 45 | 309 PIV Measurement on Flow around a Dune. The Proceedings of Autumn Conference of Tohoku Branch, 2005, 2005.41, 103-104. | 0.0 | 0 |
| 46 | Rheological and Flow Properties of Electro-Rheological and Magneto-Rheological Fluids, and Their Engineering Applications. The Proceedings of the Fluids Engineering Conference, 2004, 2004, 199. | 0.0 | 0 |
| 47 | Numerical Simulation of the Hole-Tone Feedback Cycle Based on the Discrete Vortex Method and the Acoustic Analogy. , 2003, , . | | 1 |
| 48 | 2424 Dynamics and stability of a cylindrical, flexible rod subjected to annular leakage flow. The Proceedings of the JSME Annual Meeting, 2003, 2003.7, 291-292. | 0.0 | 0 |
| 49 | Numerical Simulation of MR Fluid Damping Characteristics Using a Modified Bingham Model. Journal of Intelligent Material Systems and Structures, 2002, 13, 647-653. | 2.5 | 8 |
| 50 | Rheological Properties and Dynamic Mechanical Model of a Magnetorheological Suspension in Pressure Flow Mode.. Nihon Reoroji Gakkaishi, 2002, 30, 83-88. | 1.0 | 9 |
| 51 | Evaluations of Cluster Structure and Magnetic Functions of MR Fluids. The Proceedings of Conference of Tohoku Branch, 2002, 2002.37, 18-19. | 0.0 | 0 |
| 52 | HYSTERESIS PHENOMENON IN FLOW-CURVES OF ER FLUIDS CONTAINING SULFONATED POLYMER PARTICLES. International Journal of Modern Physics B, 2001, 15, 1070-1077. | 2.0 | 8 |
| 53 | PWM Flow Rate Control of ER Valve and its Application to ER Actuator Control. International Journal of Modern Physics B, 1999, 13, 2168-2175. | 2.0 | 17 |
| 54 | STEADY AND TRANSIENT RESPONSES OF ELECTORRHEOLOGICAL SUSPENSION PASSING THROUGH A RECTANGULAR CHANNEL. International Journal of Modern Physics B, 1996, 10, 2965-2972. | 2.0 | 5 |

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|----|---|-----|-----------|
| 55 | Noise and Vibration Related to the Patterns of Supersonic Annular Flow in a Pressure Reducing Gas Valve. Journal of Fluids Engineering, Transactions of the ASME, 1988, 110, 55-61. | 1.5 | 26 |
| 56 | Dynamic Viscoelasticity of an ER Fluid in Oscillatory Slit Flow and its ER Micro-Structural Mechanism. , 0, , . | | 1 |