Itsuro Kajiwara

List of Publications by Year
in descending order

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163 papers	1,574 citations	331670 21 h-index	377865 34 g-index
166 all docs	166 docs citations	166 times ranked	942 citing authors

#	Article	IF	Citations
1	Mechano-actuated ultrafast full-colour switching in layered photonic hydrogels. Nature Communications, 2014, 5, 4659.	12.8	210
2	Microairplane propelled by laser driven exotic target. Applied Physics Letters, 2002, 80, 4318-4320.	3.3	107
3	Bolt loosening analysis and diagnosis by non-contact laser excitation vibration tests. Mechanical Systems and Signal Processing, 2013, 40, 589-604.	8.0	97
4	Non-destructive firmness assessment of apples using a non-contact laser excitation system based on a laser-induced plasma shock wave. Postharvest Biology and Technology, 2017, 128, 11-17.	6.0	45
5	Approach for simultaneous optimization of a structure and control system. AIAA Journal, 1994, 32, 866-873.	2.6	41
6	Vibration testing based on impulse response excited by pulsed-laser ablation: Measurement of frequency response function with detection-free input. Journal of Sound and Vibration, 2012, 331, 1355-1365.	3.9	41
7	Vibration testing based on impulse response excited by laser ablation. Journal of Sound and Vibration, 2011, 330, 5045-5057.	3.9	38
8	Acoustic testing in a very small space based on a point sound source generated by laser-induced breakdown: Stabilization of plasma formation. Journal of Sound and Vibration, 2013, 332, 4572-4583.	3.9	37
9	Design of dielectric elastomer actuators for vibration control at high frequencies. International Journal of Mechanical Sciences, 2019, 157-158, 849-857.	6.7	34
10	Non-contact and non-destructive Lamb wave generation using laser-induced plasma shock wave. International Journal of Mechanical Sciences, 2018, 140, 486-492.	6.7	31
11	Damage detection in membrane structures using non-contact laser excitation and wavelet transformation. Journal of Sound and Vibration, 2014, 333, 3609-3624.	3.9	30
12	Active vibration suppression of membrane structures and evaluation with a non-contact laser excitation vibration test. JVC/Journal of Vibration and Control, 2017, 23, 1681-1692.	2.6	30
13	Lamb wave generation using nanosecond laser ablation to detect damage. JVC/Journal of Vibration and Control, 2018, 24, 5842-5853.	2.6	30
14	Non-contact acoustic tests based on nanosecond laser ablation: Generation of a pulse sound source with a small amplitude. Journal of Sound and Vibration, 2014, 333, 4254-4264.	3.9	28
15	Dynamic characterizations of underwater structures using noncontact vibration tests based on nanosecond laser ablation in water: evaluation of passive vibration suppression with damping materials. JVC/Journal of Vibration and Control, 2018, 24, 3714-3725.	2.6	28
16	Slip control during inertia phase of clutch-to-clutch shift using model-free self-tuning proportional-integral-derivative control. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2020, 234, 2279-2290.	1.9	28
17	Dynamic characterizations of underwater structures using non-contact vibration test based on nanosecond laser ablation in water: investigation of cavitation bubbles by visualizing shockwaves using the Schlieren method. JVC/Journal of Vibration and Control, 2016, 22, 3649-3658.	2.6	27
18	Vibration Control of Automotive Drive System With Nonlinear Gear Backlash. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, .	1.6	27

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19	Experimental validation of vibration control in membrane structures using dielectric elastomer actuators in a vacuum environment. International Journal of Mechanical Sciences, 2021, 191, 106049.	6.7	26
20	Nano-second Laser-induced Plasma Shock Wave in Air for Non-contact Vibration Tests. Experimental Mechanics, 2016, 56, 1305-1311.	2.0	25
21	Damage Detection in Transparent Materials Using Non-Contact Laser Excitation by Nano-Second Laser Ablation and High-Speed Polarization-imaging Camera. Experimental Mechanics, 2016, 56, 339-343.	2.0	25
22	Optimum Design of Optical Pick-Up by Elimination of Resonance Peaks. Journal of Vibration and Acoustics, Transactions of the ASME, 1993, 115, 377-383.	1.6	22
23	Laser-driven vehicles â€“ from inner-space to outer-space. Applied Physics A: Materials Science and Processing, 2003, 77, 243-249.	2.3	21
24	Damage detection in pipes based on acoustic excitations using laser-induced plasma. Mechanical Systems and Signal Processing, 2018, 111, 570-579.	8.0	20
25	Axial force measurement of the bolt/nut assemblies based on the bending mode shape frequency of the protruding thread part using ultrasonic modal analysis. Measurement: Journal of the International Measurement Confederation, 2020, 162, 107914.	5.0	20
26	Online adaptive PID control for MIMO systems using simultaneous perturbation stochastic approximation. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2015, 9, JAMDSM0015-JAMDSM0015.	0.7	19
27	Integrated optimum design of structure and H-infinity control system. AIAA Journal, 1996, 34, 159-165.	2.6	16
28	Vibration control of automotive drive system with backlash considering control period constraint. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2019, 13, JAMDSM0018-JAMDSM0018.	0.7	15
29	Evaluation of the Clamping Force of Bolted Joints Using Local Mode Characteristics of a Bolt Head. Journal of Nondestructive Evaluation, 2018, 37, 1.	2.4	14
30	Parameter tuning technique for a model-free vibration control system based on a virtual controlled object. Mechanical Systems and Signal Processing, 2022, 165, 108313.	8.0	14
31	Simultaneous optimum design of shape and control system for micro air vehicles. , 1999, , .		13
32	Optimal design of smart carriage arm in magnetic disk drive for vibration suppression. Microsystem Technologies, 2005, 11, 711-717.	2.0	13
33	Multidisciplinary Design Optimization for Vibration Control of Smart Laminated Composite Structures. Journal of Intelligent Material Systems and Structures, 2011, 22, 1419-1430.	2.5	13
34	Laser-driven vehicles: from inner space to outer space. , 2002, , .		12
35	Experimental verification of a real-time tuning method of a model-based controller by perturbations to its poles. Mechanical Systems and Signal Processing, 2018, 107, 396-408.	8.0	12
36	Experimental verification of model-free active vibration control approach using virtually controlled object. JVC/Journal of Vibration and Control, 2020, 26, 1656-1667.	2.6	11

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37	Active vibration control of automobile drivetrain with backlash considering time-varying long control period. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2021, 235, 773-783.	1.9	11
38	Direct tuning of gain-scheduled controller for electro-pneumatic clutch position control. Advances in Mechanical Engineering, 2021, 13, 168781402110360.	1.6	11
39	Motion and Vibration Control of Flexible-Link Mechanism With Smart Structure. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2003, 46, 565-571.	0.3	10
40	Novel Sliding Mode Vibration Controller With Simple Model-Free Design and Compensation for Actuatorâ€™s Uncertainty. IEEE Access, 2021, 9, 4351-4363.	4.2	10
41	Soft Mango Firmness Assessment Based on Rayleigh Waves Generated by a Laser-Induced Plasma Shock Wave Technique. Foods, 2021, 10, 323.	4.3	10
42	Measurements of S0 mode Lamb waves using a high-speed polarization camera to detect damage in transparent materials during non-contact excitation based on a laser-induced plasma shock wave. Optics and Lasers in Engineering, 2022, 148, 106770.	3.8	10
43	Integrated Design of Aerodynamics and Control System for Micro Air Vehicles.. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2000, 43, 684-690.	0.3	9
44	Design of shape and control system for smart structures with piezoelectric films. , 2001, , .		9
45	Improvement of Convergence for Adaptive Feed-Forward Cancellation Using Variable Gains in a Head Positioning System of Hard Disk Drives. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2013, 7, 903-918.	0.7	9
46	Viscoelastic modulus of agarose gels by magnetic resonance elastography using Micro-MRI. Mechanical Engineering Journal, 2015, 2, 14-00417-14-00417.	0.4	9
47	Model-free vibration control based on a virtual controlled object considering actuator uncertainty. JVC/Journal of Vibration and Control, 2021, 27, 1324-1335.	2.6	9
48	Non-Iterative Data-Driven Tuning of Model-Free Control Based on an Ultra-Local Model. IEEE Access, 2022, 10, 72773-72784.	4.2	9
49	Model-free adaptive control scheme for EGR/VNT control of a diesel engine using the simultaneous perturbation stochastic approximation. Transactions of the Institute of Measurement and Control, 2017, 39, 114-128.	1.7	8
50	Frequency response function measurements of rotational degrees of freedom using a non-contact moment excitation based on nanosecond laser ablation. Journal of Sound and Vibration, 2019, 456, 239-253.	3.9	8
51	Direct tuning method of gainâ€scheduled controllers with the sparse polynomials function. Asian Journal of Control, 2022, 24, 2111-2126.	3.0	8
52	A technique of structural dynamic optimization using resonance and anti-resonance sensitivities.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1988, 54, 2084-2091.	0.2	7
53	Optimum design of structures by sensitivity analysis. Finite Elements in Analysis and Design, 1993, 14, 101-110.	3.2	7
54	Piezoelectric and control optimisation of smart structures for vibration and sound suppression. International Journal of Vehicle Design, 2007, 43, 184.	0.3	7

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55	Optimization of Smart Structure for Improving Servo Performance of Hard Disk Drive. Journal of System Design and Dynamics, 2009, 3, 906-917.	0.3	7
56	Vibration control for various structures with time-varying properties via model-free adaptive controller based on virtual controlled object and SPSA. Mechanical Systems and Signal Processing, 2022, 170, 108801.	8.0	7
57	Fuzzy-reasoning-based robust vibration controller for drivetrain mechanism with various control input updating timings. Mechanism and Machine Theory, 2022, 175, 104957.	4.5	7
58	Control of Wing for Micro-Airplane with Smart Material and Laser. AIP Conference Proceedings, 2003, , .	0.4	6
59	Loose Bolt Detection by High Frequency Vibration Measurement with Non-Contact Laser Excitation. Journal of System Design and Dynamics, 2011, 5, 1559-1571.	0.3	6
60	Spherical projectile impact using compressed air for frequency response function measurements in vibration tests. Mechanical Systems and Signal Processing, 2019, 134, 106295.	8.0	6
61	Vibration Control of Hard Disk Drive with Smart Structure Technology for Improving Servo Performance. , 2009, , 165-176.		6
62	Direct Data-Driven Tuning of Look-Up Tables for Feedback Control Systems. , 2022, 6, 2966-2971.		6
63	Integrated design of structure and control system considering performance and stability. , 0, , .		5
64	Excitation System for Magnetic Resonance Elastography Using Micro MRI. Journal of Biomechanical Science and Engineering, 2012, 7, 463-474.	0.3	5
65	Application of Physical Function Model to State Estimations of Nonlinear Mechanical Systems. IEEE Access, 2021, 9, 12002-12018.	4.2	5
66	Experimental evaluation of frequency response and firmness of apples based on an excitation technique using a dielectric elastomer actuator. Sensors and Actuators A: Physical, 2021, 330, 112830.	4.1	5
67	Firmness evaluation of postharvest pear fruit during storage based on a vibration experiment technique using a dielectric elastomer actuator. Postharvest Biology and Technology, 2021, 182, 111697.	6.0	5
68	Tracking Control and System Development for Laser-Driven Micro-Vehicles. Transactions of the Japan Society for Aeronautical and Space Sciences, 2006, 49, 71-76.	0.7	5
69	Vibration Testing Based on Impulse Response Excited by Laser Ablation(Mechanical Systems). Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2009, 75, 3160-3167.	0.2	5
70	Optimum Design of Structure and Control Systems by Modal Analysis.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1994, 60, 368-373.	0.2	4
71	Feedback Active Noise Control with Multiple Control Sources based on Modal Analysis.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1999, 65, 1849-1856.	0.2	4
72	Vibration Testing Based on Impulse Response Excited by Laser Ablation (Input Sensorless FRF) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 T Engineers, Part C, 2011, 77, 102-113.	0.2	4

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73	A New Approach for NOx Soft Sensors for the Aftertreatment of Diesel Engines. Journal of Physics: Conference Series, 2016, 744, 012207.	0.4	4
74	Numerical simulations of magnetic resonance elastography using finite element analysis with a linear heterogeneous viscoelastic model. Journal of Visualization, 2018, 21, 133-145.	1.8	4
75	Direct tuning of the data-driven controller considering closed-loop stability based on a fictitious reference signal. Measurement and Control, 2021, 54, 1026-1042.	1.8	4
76	Design of an optical servosystem using a structural optimizing method considering controllability. (1st report. A total design combining a structural system with a control system by way of vibration) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Engineers, Part C, 1989, 55, 2029-2036.	0.2	3
77	A structural optimization method considering time history response.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1990, 56, 391-397.	0.2	3
78	Integrated optimum design of structure and H-infinity control system. , 1995, , .		3
79	Integrated optimum design of structure and servosystem with dynamic compensator. , 1996, , .		3
80	Remote Control of Laser-Driven Micro-Vehicles. AIP Conference Proceedings, 2006, , .	0.4	3
81	Optimization of Smart Structure for Improving Servo Performance of Hard Disk Drive(<Special) Tj ETQq1 1 0.784314 rgBT /Overloc Mechanical Engineers, Part C, 2009, 75, 1369-1376.	0.2	3
82	Online tuning of a model-based controller by perturbation of its poles. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2015, 9, JAMDSM0019-JAMDSM0019.	0.7	3
83	455 Vibration Testing by Using Laser Ablation. The Proceedings of the Dynamics & Design Conference, 2008, 2008, _455-1_-_455-6_.	0.0	3
84	Simultaneous optimum design of structure and control systems by sensitivity analysis. Finite Elements in Analysis and Design, 1993, 14, 187-195.	3.2	2
85	Optimization for Vibration Problems: Junction Layout of a Combined Structure Under Oscillation. Journal of Mechanical Design, Transactions of the ASME, 1999, 121, 188-194.	2.9	2
86	Design of shape and control system for micro-airplane development. , 0, , .		2
87	Suppression of Combustion Noise and Combustion Oscillation by Thermo-Acoustic Active Control Using Secondary Flame. , 2005, , 549.		2
88	Vibration Control of Smart Structures with Dynamic Characteristic Variation. Journal of System Design and Dynamics, 2008, 2, 413-424.	0.3	2
89	Structural health monitoring by high-frequency vibration measurement with non-contact laser excitation. Proceedings of SPIE, 2011, , .	0.8	2
90	Health Monitoring Based on High Frequency Vibration Measurement with Laser. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2011, 77, 1760-1771.	0.2	2

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91	Vibration Control of HDD Smart Head Actuator with PZT Element. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2011, 77, 847-857.	0.2	2
92	A study of equivalence between adaptive learning and loop shaping methods for disturbance compensation. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2014, 8, JAMDSM0016-JAMDSM0016.	0.7	2
93	Robustness analysis of enhanced adaptive feed-forward cancellation. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2014, 8, JAMDSM0002-JAMDSM0002.	0.7	2
94	803 A New Method of Vibration Test Using Laser Ablation. The Proceedings of the Dynamics & Design Conference, 2007, 2007, _803-1_-_803-6_.	0.0	2
95	Direct tuning of PID controller and reference model with input constraint. , 2021, , .		2
96	Stability Improvement of Model-Free Control Based on a Virtual Structure Against the Resonance of a Proof-Mass Actuator. Journal of Vibration Engineering and Technologies, 2022, 10, 1175-1188.	2.2	2
97	Design of an optical servosystem using a structural optimizing method considering controllability. (2nd report. The structural optimization of an optical pick-up model using the pole-zero cancellation) Tj ETQq1 1 0.784314 rgBT /Overlo Engineers, Part C, 1989, 55, 2037-2044.	0.2	1
98	Vibration control in a box-type structure by dual dynamic absorbers.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1990, 56, 2107-2114.	0.2	1
99	Optimum Design of Vibration Control System using Modal Analysis and Sensitivity Analysis.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1992, 58, 2365-2372.	0.2	1
100	Optimum design of control system for large degrees-of-freedom structure to assure stability against high mode vibrational disturbance. , 1992, , .		1
101	SIMULTANEOUS OPTIMUM DESIGN OF STRUCTURE AND CONTROL SYSTEM TO ASSURE STABILITY OF HIGHER MODES. , 1993, , .		1
102	Integrated Optimum Design of the Structure ad H.INF. Control System Using Genetic Algorithm.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1995, 61, 2704-2711.	0.2	1
103	Simultaneous Optimum Design of the Structure and H.INF. Control System.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1995, 61, 967-974.	0.2	1
104	Structural Shape Optimization of Vibration Characteristics.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1995, 61, 2662-2667.	0.2	1
105	Simultaneous Optimal Design of Piezoelectric Shape/Placement and Control System for Smart Structures.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2002, 68, 2925-2932.	0.2	1
106	Simultaneous Design of Piezoelectric Shape and Control System for Smart Structures (Shape) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 of the Japan Society of Mechanical Engineers, Part C, 2003, 69, 2093-2100.	0.2	1
107	Tracking control for laser-driven micro-airplane. , 0, , .		1
108	Integrated actuator/control design of smart pantograph mechanism for vibration suppression. , 0, , .		1

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109	Development of Laser Propulsion and Tracking System for Laser-Driven Micro-Airplane. AIP Conference Proceedings, 2004, , .	0.4	1
110	Active control of combustion oscillations in a lean premixed gas-turbine combustor. International Journal of Vehicle Design, 2007, 43, 306.	0.3	1
111	Design of active control system for combustion instability using H² algorithm. International Journal of Vehicle Design, 2007, 43, 322.	0.3	1
112	Remote Motion Control of Micro Vehicles by Two-Way Laser Communication Technology. Journal of System Design and Dynamics, 2010, 4, 941-952.	0.3	1
113	Vibration Measurement for Rotating Disk Using Contactless Laser Excitation. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2011, 77, 4402-4412.	0.2	1
114	EGR-VNT Cooperative Control of Diesel Engine Based on ILQ Design. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2012, 78, 114-125.	0.2	1
115	Self-Sensing and Model-Free Active Vibration Control Based on DVFB (Demonstration of Control) Tj ETQq1 1 0.784314 rgBT /Overloc Mechanical Engineers, Part C, 2012, 78, 3104-3117.	0.2	1
116	Multidisciplinary Design Optimization for Smart Micro-Composite and Experimental Validation by Using Laser Excitation Technique. , 2012, , .		1
117	Non-Contact Vibration Tests with Detection-Free Input Based on Pulsed-Laser Ablation for Underwater Structures. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2012, 78, 2426-2437.	0.2	1
118	Vibration Measurement and Monitoring of a Rotating Disk Using Contactless Laser Excitation. , 2013, , .		1
119	Bolted joint loosening detection by using laser excitation. , 2013, , .		1
120	A comparison study between a resonant filter and an adaptive feed-forward cancellation for implementation of a control system. , 2014, , .		1
121	Vibration test and health monitoring of membrane structure using non-contact laser excitation. , 2014, , .		1
122	Multi-objective optimization for vibration suppression of smart laminated composites. Mechanical Engineering Journal, 2016, 3, 14-00561-14-00561.	0.4	1
123	Structural health monitoring based on laser excitation vibration test and wavelet transform. , 2017, , .		1
124	Vibration Measurements for Membrane Structures by Using Laser Excitation System. , 2010, , .		1
125	Acceleration Control of Automotive Drive System with Nonlinearity. The Proceedings of the Symposium on the Motion and Vibration Control, 2017, 2017.15, C13.	0.0	1
126	Model-Free Vibration Control Using an Actuator with Parameter Uncertainty. The Proceedings of the Dynamics & Design Conference, 2019, 2019, 544.	0.0	1

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127	Robust identification and control design for engine mount. , 0, , .		1
128	Design of an optical servosystem using a structural optimizing method considering controllability. (3rd report. An application of the pole-zero cancellation method to development of optical pick-up).. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1989, 55, 2045-2052.	0.2	0
129	H.INF. Robust Vibration Control of Continuous Structures using Modal Analysis.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1992, 58, 3238-3245.	0.2	0
130	Modelling and Optimum Design of the Control System based on the Identification of Spatial Matrices.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1992, 58, 1385-1391.	0.2	0
131	Integration of Experimental State-Space Modeling Based on ERA and H.INF. Control Design.. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 1997, 40, 197-202.	0.3	0
132	Hâˆž Control Design of Experimental State-Space Modeling for Vehicle Vibration Suppression. , 0, , .		0
133	A Control Method for Non-Linear Time-Varying System Using Mixed H2/H.INF. Control. Position and Force Control of 2-Link Manipulator.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1998, 64, 3839-3846.	0.2	0
134	Modeling and Active Noise Control of One-Dimensional Duct Based on Modal Analysis and LMI.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1998, 64, 1668-1675.	0.2	0
135	Structural dynamic design considering controllability and stability. , 0, , .		0
136	Motion and Vibration Control of Flexible-Link Mechanism with Smart Structure.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2001, 67, 2173-2180.	0.2	0
137	Hybrid control of motion and vibration for smart flexible-link mechanism. , 0, , .		0
138	Simultaneous design of mechanism and control system for smart structures (optimization of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302		0
139	Optimization of Vibration Control System for Smart Structures with Disturbance Characteristic Variation. , 2006, , .		0
140	Integrated Optimization of Actuator Array and Adaptive Control for Smart Structures. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2006, 72, 53-60.	0.2	0
141	Broadband Robust Controller Design of Multi-Frequency-Band Parallel Control System. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2007, 73, 2246-2254.	0.2	0
142	Multidisciplinary Design Optimization of Actuator Arrangements, Lay-Up Configurations and Control Systems for Smart Laminated Composite Structures. , 2010, , .		0
143	Vibration Control Evaluation of Micro Smart Structures with Non-Contact Laser Excitation. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2011, 77, 4413-4424.	0.2	0
144	Vibration Test for Membrane Structures Using Non-Contact Laser Excitation System in Vacuum Environment. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2011, 77, 2662-2672.	0.2	0

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145	Simultaneous Remote Energy Supply and Motion Control of Micro Vehicles with Laser. Journal of System Design and Dynamics, 2011, 5, 1202-1213.	0.3	0
146	Acoustic Vibration Testing in a Microâ€"Space Based on a Point Source Generated by Laserâ€"Induced Breakdown. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2012, 78, 770-782.	0.2	0
147	Active Vibration Control Based on Self-Sensing for Unknown Target Structures by Direct Velocity Feedback With Adaptive Feed-Forward Cancellation. , 2013, , .		0
148	Adaptive NOXSoft Sensor for Aftertreatment of Diesel Engines. MATEC Web of Conferences, 2016, 42, 04002.	0.2	0
149	Active damping of drivetrain vibrations with compensation for time-varying long control cycle due to actuator constraint. , 2020, , .		0
150	Loosening Detection of a Bolted Joint Based on Monitoring Dynamic Characteristics in the Ultrasonic Frequency Region. , 2021, , 191-196.		0
151	MC-20 Optimization of Smart Structure For Realizing High Controllability. Proceedings of JSME-IIP/ASME-ISPS Joint Conference on Micromechatronics for Information and Precision Equipment IIP/ISPS Joint MIPE, 2003, 2003, 183-184.	0.0	0
152	Gain-scheduled control of smart structures with dynamic characteristic variation. , 2008, , .		0
153	103 Multidisciplinary Design Optimization for the Smart Composite by using Lamination Parameters. The Proceedings of the Dynamics & Design Conference, 2011, 2011, _103-1_-_103-10_.	0.0	0
154	J022035 Magnetic resonance elastography using micro MRI to two layered agarose gel. The Proceedings of Mechanical Engineering Congress Japan, 2012, 2012, _J022035-1-_J022035-4.	0.0	0
155	440 Multidisciplinary Design Optimization of Micro Smart Composites and Evaluation of Vibration Control Performance by Laser Excitation. The Proceedings of the Dynamics & Design Conference, 2012, 2012, _440-1_-_440-10_.	0.0	0
156	Vibration Control Evaluation of Smart Microstructures With Non-Contact Laser Excitation. , 2012, , .		0
157	2D36 MRE Simulation of Liver Model with Finite Element Method. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2014, 2014.26, 419-420.	0.0	0
158	3B31 Multi-objective optimization for vibration suppression of smart laminated composites(The 12th) Tj ETQq0 0 0 rgBT /Overlock 10 T the Motion and Vibration Control, 2014, 2014.12, _3B31-1_-_3B31-10_.	0.0	0
159	2E13 MRE simulation of liver model with elasticity distribution based on FEM. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2015, 2015.27, 481-482.	0.0	0
160	Optimization of Actuator Location of Smart Structures by Evaluating Controllability. The Proceedings of the Dynamics & Design Conference, 2016, 2016, 541.	0.0	0
161	Motion and Vibration Control of Automotive Drivetrain with Control Cycle Limitation. , 2021, , 87-93.		0
162	Vibration control of membrane structures using multiple dielectric elastomer actuators. , 2021, , .		0

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163	Vibration Control System Construction Method without Controlled Object Modeling. , 2021, , .		0