

Itsuro Kajiwara

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8450552/publications.pdf>

Version: 2024-02-01

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	Direct tuning method of gain-scheduled controllers with the sparse polynomials function. Asian Journal of Control, 2022, 24, 2111-2126.	3.0	8
2	Measurements of SO 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
3	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
4	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
5	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
6	Direct Data-Driven Tuning of Look-Up Tables for Feedback Control Systems. , 2022, 6, 2966-2971.		6
7	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
8	Non-Iterative Data-Driven Tuning of Model-Free Control Based on an Ultra-Local Model. IEEE Access, 2022, 10, 72773-72784.	4.2	9
9	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
10	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
11	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
12	Application of Physical Function Model to State Estimations of Nonlinear Mechanical Systems. IEEE Access, 2021, 9, 12002-12018.	4.2	5
13	Novel Sliding Mode Vibration Controller With Simple Model-Free Design and Compensation for Actuator's Uncertainty. IEEE Access, 2021, 9, 4351-4363.	4.2	10
14	Soft Mango Firmness Assessment Based on Rayleigh Waves Generated by a Laser-Induced Plasma Shock Wave Technique. Foods, 2021, 10, 323.	4.3	10
15	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
16	Direct tuning of gain-scheduled controller for electro-pneumatic clutch position control. Advances in Mechanical Engineering, 2021, 13, 168781402110360.	1.6	11
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Loosening Detection of a Bolted Joint Based on Monitoring Dynamic Characteristics in the Ultrasonic Frequency Region. , 2021, , 191-196.		0
20	Motion and Vibration Control of Automotive Drivetrain with Control Cycle Limitation. , 2021, , 87-93.		0
21	Vibration control of membrane structures using multiple dielectric elastomer actuators. , 2021, , .		0
22	Direct tuning of PID controller and reference model with input constraint. , 2021, , .		2
23	Vibration Control System Construction Method without Controlled Object Modeling. , 2021, , .		0
24	Active damping of drivetrain vibrations with compensation for time-varying long control cycle due to actuator constraint. , 2020, , .		0
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	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
27	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
28	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
29	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
30	Design of dielectric elastomer actuators for vibration control at high frequencies. International Journal of Mechanical Sciences, 2019, 157-158, 849-857.	6.7	34
31	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
32	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
33	Model-Free Vibration Control Using an Actuator with Parameter Uncertainty. The Proceedings of the Dynamics & Design Conference, 2019, 2019, 544.	0.0	1
34	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
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	Lamb wave generation using nanosecond laser ablation to detect damage. JVC/Journal of Vibration and Control, 2018, 24, 5842-5853.	2.6	30

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	Damage detection in pipes based on acoustic excitations using laser-induced plasma. Mechanical Systems and Signal Processing, 2018, 111, 570-579.	8.0	20
41	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
42	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
43	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
44	Structural health monitoring based on laser excitation vibration test and wavelet transform. , 2017, , .		1
45	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
46	Adaptive NOXSoft Sensor for Aftertreatment of Diesel Engines. MATEC Web of Conferences, 2016, 42, 04002.	0.2	0
47	A New Approach for NOx Soft Sensors for the Aftertreatment of Diesel Engines. Journal of Physics: Conference Series, 2016, 744, 012207.	0.4	4
48	Multi-objective optimization for vibration suppression of smart laminated composites. Mechanical Engineering Journal, 2016, 3, 14-00561-14-00561.	0.4	1
49	Nano-second Laser-induced Plasma Shock Wave in Air for Non-contact Vibration Tests. Experimental Mechanics, 2016, 56, 1305-1311.	2.0	25
50	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
51	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
52	Optimization of Actuator Location of Smart Structures by Evaluating Controllability. The Proceedings of the Dynamics & Design Conference, 2016, 2016, 541.	0.0	0
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	Viscoelastic modulus of agarose gels by magnetic resonance elastography using Micro-MRI. Mechanical Engineering Journal, 2015, 2, 14-00417-14-00417.	0.4	9
56	2E13 MRE simulation of liver model with elasticity distribution based on FEM. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JISME, 2015, 2015.27, 481-482.	0.0	0
57	Mechano-actuated ultrafast full-colour switching in layered photonic hydrogels. Nature Communications, 2014, 5, 4659.	12.8	210
58	A comparison study between a resonant filter and an adaptive feed-forward cancellation for implementation of a control system. , 2014, , .		1
59	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
60	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
61	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
62	Robustness analysis of enhanced adaptive feed-forward cancellation. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2014, 8, JAMDSM0002-JAMDSM0002.	0.7	2
63	Vibration test and health monitoring of membrane structure using non-contact laser excitation. , 2014, , .		1
64	2D36 MRE Simulation of Liver Model with Finite Element Method. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JISME, 2014, 2014.26, 419-420.	0.0	0
65	3B31 Multi-objective optimization for vibration suppression of smart laminated composites(The 12th Tj ETQq1 1 0.784314 rgBT /Over the Motion and Vibration Control, 2014, 2014.12, _3B31-1_-_3B31-10_.	0.0	0
66	Bolt loosening analysis and diagnosis by non-contact laser excitation vibration tests. Mechanical Systems and Signal Processing, 2013, 40, 589-604.	8.0	97
67	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
68	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
69	Active Vibration Control Based on Self-Sensing for Unknown Target Structures by Direct Velocity Feedback With Adaptive Feed-Forward Cancellation. , 2013, , .		0
70	Vibration Measurement and Monitoring of a Rotating Disk Using Contactless Laser Excitation. , 2013, , .		1
71	Bolted joint loosening detection by using laser excitation. , 2013, , .		1
72	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

#	ARTICLE	IF	CITATIONS
73	Self-Sensing and Model-Free Active Vibration Control Based on DVFB (Demonstration of Control) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Mechanical Engineers, Part C, 2012, 78, 3104-3117.	0.2	1
74	Acoustic Vibration Testing in a Micro Space Based on a Point Source Generated by Laser-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
75	Excitation System for Magnetic Resonance Elastography Using Micro MRI. Journal of Biomechanical Science and Engineering, 2012, 7, 463-474.	0.3	5
76	Multidisciplinary Design Optimization for Smart Micro-Composite and Experimental Validation by Using Laser Excitation Technique. , 2012, , .		1
77	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
78	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
79	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
80	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
81	Vibration Control Evaluation of Smart Microstructures With Non-Contact Laser Excitation. , 2012, , .		0
82	Structural health monitoring by high-frequency vibration measurement with non-contact laser excitation. Proceedings of SPIE, 2011, , .	0.8	2
83	Vibration Testing Based on Impulse Response Excited by Laser Ablation (Input Sensorless FRF) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Engineers, Part C, 2011, 77, 102-113.	0.2	4
84	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
85	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
86	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
87	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
88	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
89	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
90	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

#	ARTICLE	IF	CITATIONS
91	Vibration testing based on impulse response excited by laser ablation. Journal of Sound and Vibration, 2011, 330, 5045-5057.	3.9	38
92	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
93	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
94	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
95	Multidisciplinary Design Optimization of Actuator Arrangements, Lay-Up Configurations and Control Systems for Smart Laminated Composite Structures. , 2010, , .		0
96	Vibration Measurements for Membrane Structures by Using Laser Excitation System. , 2010, , .		1
97	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
98	Optimization of Smart Structure for Improving Servo Performance of Hard Disk Drive(&Special) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4 Mechanical Engineers, Part C, 2009, 75, 1369-1376.	0.2	3
99	Vibration Control of Hard Disk Drive with Smart Structure Technology for Improving Servo Performance. , 2009, , 165-176.		6
100	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
101	Vibration Control of Smart Structures with Dynamic Characteristic Variation. Journal of System Design and Dynamics, 2008, 2, 413-424.	0.3	2
102	455 Vibration Testing by Using Laser Ablation. The Proceedings of the Dynamics & Design Conference, 2008, 2008, _455-1_-_455-6_.	0.0	3
103	Gain-scheduled control of smart structures with dynamic characteristic variation. , 2008, , .		0
104	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
105	Piezoelectric and control optimisation of smart structures for vibration and sound suppression. International Journal of Vehicle Design, 2007, 43, 184.	0.3	7
106	Active control of combustion oscillations in a lean premixed gas-turbine combustor. International Journal of Vehicle Design, 2007, 43, 306.	0.3	1
107	Design of active control system for combustion instability using H² algorithm. International Journal of Vehicle Design, 2007, 43, 322.	0.3	1
108	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

#	ARTICLE	IF	CITATIONS
109	Optimization of Vibration Control System for Smart Structures with Disturbance Characteristic Variation. , 2006, , .		0
110	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
111	Remote Control of Laser-Driven Micro-Vehicles. AIP Conference Proceedings, 2006, , .	0.4	3
112	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
113	Suppression of Combustion Noise and Combustion Oscillation by Thermo-Acoustic Active Control Using Secondary Flame. , 2005, , 549.		2
114	Optimal design of smart carriage arm in magnetic disk drive for vibration suppression. Microsystem Technologies, 2005, 11, 711-717.	2.0	13
115	Development of Laser Propulsion and Tracking System for Laser-Driven Micro-Airplane. AIP Conference Proceedings, 2004, , .	0.4	1
116	Control of Wing for Micro-Airplane with Smart Material and Laser. AIP Conference Proceedings, 2003, , .	0.4	6
117	Laser-driven vehicles “from inner-space to outer-space. Applied Physics A: Materials Science and Processing, 2003, 77, 243-249.	2.3	21
118	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
119	Simultaneous Design of Piezoelectric Shape and Control System for Smart Structures (Shape) Tj ETQq1 1 0.784314 rgBT /Overlock 10 of the Japan Society of Mechanical Engineers, Part C, 2003, 69, 2093-2100.	0.2	1
120	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
121	Microairplane propelled by laser driven exotic target. Applied Physics Letters, 2002, 80, 4318-4320.	3.3	107
122	Laser-driven vehicles: from inner space to outer space. , 2002, , .		12
123	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
124	Design of shape and control system for smart structures with piezoelectric films. , 2001, , .		9
125	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
126	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

#	ARTICLE	IF	CITATIONS
127	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
128	Simultaneous optimum design of shape and control system for micro air vehicles. , 1999, , .		13
129	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
130	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
131	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
132	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
133	Integrated optimum design of structure and H-infinity control system. AIAA Journal, 1996, 34, 159-165.	2.6	16
134	Integrated optimum design of structure and servosystem with dynamic compensator. , 1996, , .		3
135	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
136	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
137	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
138	Integrated optimum design of structure and H-infinity control system. , 1995, , .		3
139	Approach for simultaneous optimization of a structure and control system. AIAA Journal, 1994, 32, 866-873.	2.6	41
140	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
141	Optimum design of structures by sensitivity analysis. Finite Elements in Analysis and Design, 1993, 14, 101-110.	3.2	7
142	Simultaneous optimum design of structure and control systems by sensitivity analysis. Finite Elements in Analysis and Design, 1993, 14, 187-195.	3.2	2
143	SIMULTANEOUS OPTIMUM DESIGN OF STRUCTURE AND CONTROL SYSTEM TO ASSURE STABILITY OF HIGHER MODES. , 1993, , .		1
144	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

#	ARTICLE	IF	CITATIONS
145	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
146	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
147	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
148	Optimum design of control system for large degrees-of-freedom structure to assure stability against high mode vibrational disturbance. , 1992, , .		1
149	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
150	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
151	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 /Overlock 10 Tf 50 142 Engineers, Part C, 1989, 55, 2037-2044.	0.2	1
152	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
153	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 ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 142 Engineers, Part C, 1989, 55, 2029-2036.	0.2	3
154	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
155	H \hat{z} Control Design of Experimental State-Space Modeling for Vehicle Vibration Suppression. , 0, , .		0
156	Structural dynamic design considering controllability and stability. , 0, , .		0
157	Integrated design of structure and control system considering performance and stability. , 0, , .		5
158	Design of shape and control system for micro-airplane development. , 0, , .		2
159	Hybrid control of motion and vibration for smart flexible-link mechanism. , 0, , .		0
160	Simultaneous design of mechanism and control system for smart structures (optimization of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142		0
161	Tracking control for laser-driven micro-airplane. , 0, , .		1
162	Integrated actuator/control design of smart pantograph mechanism for vibration suppression. , 0, , .		1

#	ARTICLE	IF	CITATIONS
163	Robust identification and control design for engine mount. , 0, , .		1