

# CITATION REPORT

List of articles citing

## Active Aeroelastic Wing Flight Research Program: Technical Program and Model Analytical Development

DOI: 10.2514/2.2654

Journal of Aircraft, 2000, 37, 554-561.

**Source:** <https://exaly.com/paper-pdf/31736195/citation-report.pdf>

**Version:** 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
199	An integrated trim and structural design process for active aeroelastic wing technology. <b>2001,</b>		1
198	Nonstationary dynamics data analysis with wavelet-SVD filtering. <b>2001,</b>		1
197	Maneuver Trim Optimization Techniques for Active Aeroelastic Wings. <i>Journal of Aircraft</i> , <b>2001</b> , 38, 1139-1146	4.0	40
196	Aerodynamic and aeroelastic characteristics of the DARPA Smart Wing Phase II wind tunnel model. <b>2001,</b>		7
195	Transmission Electron Microscopy Study of Polycrystalline Si and Si <sub>0.69</sub> Ge <sub>0.31</sub> Thin Films. <b>2001,</b> 40, 4806-4810		1
194	Aeroservoelastic Model Uncertainty Bound Estimation from Flight Data. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2002</b> , 25, 748-754	2.1	13
193	Wing Torsional Stiffness Tests of the Active Aeroelastic Wing F/A-18 Airplane. <b>2002,</b>		7
192	Strain-Gage Loads Calibration Testing of the Active Aeroelastic Wing F/A-18 Aircraft. <b>2002,</b>		6
191	Robust Structural Design of an Active Aeroelastic Wing with Maneuver Load Uncertainty. <b>2002,</b>		0
190	NON-STATIONARY DYNAMICS DATA ANALYSIS WITH WAVELET-SVD FILTERING. <b>2003,</b> 17, 765-786		41
189	Historical Perspective on Analysis and Control of Aeroelastic Responses. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2003</b> , 26, 673-684	2.1	117
188	Synthesis of a Variable Geometry Trailing Edge Control Surface. <b>2003,</b>		5
187	Modelling and Sensitivity Analysis of a Variable Geometry Trailing Edge Control Surface. <b>2003,</b>		4
186	Roll Control for a Micro Air Vehicle Using Active Wing Morphing. <b>2003,</b>		42
185	Aeroelastic Wing with Leading- and Trailing-Edge Control Surfaces. <i>Journal of Aircraft</i> , <b>2003</b> , 40, 559-565	1.6	20
184	Aerodynamic and Aeroelastic Characteristics of Wings with Conformal Control Surfaces for Morphing Aircraft. <i>Journal of Aircraft</i> , <b>2003</b> , 40, 94-99	1.6	109
183	Aeroelasticity Research at Wright-Patterson Air Force Base (Wright Field) from 1953-1993. <i>Journal of Aircraft</i> , <b>2003</b> , 40, 813-819	1.6	11

182	Aeroelasticity of Nonconventional Airplane Configurations-Past and Future. <i>Journal of Aircraft</i> , <b>2003</b> , 40, 1047-1065	1.6	82
181	Integrated Trim and Structural Design Process for Active Aeroelastic Wing Technology. <i>Journal of Aircraft</i> , <b>2003</b> , 40, 523-531	1.6	11
180	Structural shape sensing for morphing aircraft. <b>2003</b> ,		1
179	Effective cross-section distribution of anisotropic piezocomposite actuators for wing twist. <b>2003</b> , 5056, 21		5
178	Flight Characterization of Micro Air Vehicles Using Morphing for Agility and Maneuvering. <b>2004</b> ,		3
177	Robust Structural Design of an Active Aeroelastic Wing with Maneuver Load Inaccuracies. <i>Journal of Aircraft</i> , <b>2004</b> , 41, 585-593	1.6	10
176	Multidisciplinary design optimisation and robust design approaches applied to concurrent design. <b>2004</b> , 28, 356-371		42
175	Uncertainty Quantification in Aeroelasticity: Recent Results and Research Challenges. <i>Journal of Aircraft</i> , <b>2004</b> , 41, 1217-1229	1.6	174
174	An Approach to Induced Drag Reduction and its Experimental Evaluation. <b>2004</b> ,		5
173	Flight Testing a Micro Air Vehicle Using Morphing for Aeroservoelastic Control. <b>2004</b> ,		20
172	Flight Testing and Response Characteristics of a Variable Gull-Wing Morphing Aircraft. <b>2004</b> ,		26
171	Defense Advanced Research Projects Agency Smart Materials and Structures Demonstration Program Overview. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2004</b> , 15, 227-233	2.3	52
170	Uncertainty in Aeroelasticity Analysis, Design, and Testing. <b>2004</b> ,		
169	Aerodynamic and aeroelastic amplification in adaptive belt-rib airfoils. <i>Aerospace Science and Technology</i> , <b>2005</b> , 9, 55-63	4.9	56
168	A flutter suppression active controller. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , <b>2005</b> , 219, 19-33	0.9	4
167	Approach to Induced Drag Reduction with Experimental Evaluation. <i>Journal of Aircraft</i> , <b>2005</b> , 42, 1478-1485		10
166	Large-Area Aerodynamic Control for High-Altitude Long- Endurance Sensor Platforms. <i>Journal of Aircraft</i> , <b>2005</b> , 42, 237-244	1.6	17
165	Flight Characteristics of Shaping the Membrane Wing of a Micro Air Vehicle. <i>Journal of Aircraft</i> , <b>2005</b> , 42, 131-137	1.6	80

164	Conceptual Design of an Adaptive Wing for a Three-surfaces Airplane. <b>2005,</b>		7
163	Deflection-Based Aircraft Structural Loads Estimation With Comparison To Flight. <b>2005,</b>		8
162	Integrated Aeroservoelastic Design Optimization of Actively-Controlled Strain-Actuated Flight Vehicles. <b>2005,</b>		3
161	Controllers for Disturbance Rejection for a Linear Input-Varying Class of Morphing Aircraft. <b>2005,</b>		7
160	Aeroelastic Flight Data Analysis with the Hilbert-Huang Algorithm. <b>2005,</b>		5
159	Shock Location Dominated Transonic Flight Loads on the Active Aeroelastic Wing. <b>2005,</b>		2
158	Flight Test of the F/A-18 Active Aeroelastic Wing Airplane. <b>2005,</b>		24
157	Advanced Flutter and LCO Prediction Tools for Flight Test Risk and Cost Reduction - An International Collaborative Program for T&E Support. <b>2005,</b>		5
156	Aeroelastic Studies on a Folding Wing Configuration. <b>2005,</b>		26
155	Computation of Actuation Power Requirements for Smart Wings with Morphing Airfoils. <i>AIAA Journal</i> , <b>2005</b> , 43, 2481-2486	2.1	37
154	On the Design of Morphing Airfoils Using Spinal Structures. <b>2006,</b>		1
153	Active Control of Non-Linear Aeroelastic Response Using Conformal Control Surfaces. <b>2006,</b>		
152	Aeroelastic Testing on a Three Surface Airplane. <b>2006,</b>		5
151	A LEAST ABSOLUTE SHRINKAGE AND SELECTION OPERATOR (LASSO) FOR NONLINEAR SYSTEM IDENTIFICATION. <b>2006</b> , 39, 814-819		61
150	Control of an all-movable foreplane for a three surfaces aircraft wind tunnel model. <b>2006</b> , 20, 1044-1066		11
149	Modeling and control of micro air vehicles with biologically-inspired morphing. <b>2006,</b>		5
148	Design of Postbuckled Spinal Structures for Airfoil Camber and Shape Control. <i>AIAA Journal</i> , <b>2006</b> , 44, 3115-3124	2.1	10
147	Volterra Kernel Extrapolation for Modeling Nonlinear Aeroelastic Systems at Novel Flight Conditions. <i>Journal of Aircraft</i> , <b>2007</b> , 44, 149-162	1.6	18

146	Aeroelastic Flight Control for Subscale UAVs. <b>2007,</b>		4
145	Plans and Status of Wind-Tunnel Testing Employing an Aeroservoelastic Semispan Model. <b>2007,</b>		15
144	Nonlinear X-DIA Wing Response to the Oscillations of a Control Surface. <b>2007,</b>		
143	Active Aeroelastic Control over a Multi-Surface Wing: Modelling and Wind Tunnel Testing. <b>2007,</b>		1
142	Wind Tunnel Testing of an Active Controlled Wing Under Gust Excitation. <b>2008,</b>		10
141	Modeling and simulation of flexible UAVs with large aspect ratio. <b>2008,</b>		
140	Active Control of Three-Surface Aeroelastic Model. <i>Journal of Aircraft</i> , <b>2008</b> , 45, 1002-1013	1.6	11
139	Skin design studies for variable camber morphing airfoils. <i>Smart Materials and Structures</i> , <b>2008</b> , 17, 015035	3.4	74
138	Morphing skins. <i>Aeronautical Journal</i> , <b>2008</b> , 112, 117-139	0.9	342
137	Application of a least absolute shrinkage and selection operator to aeroelastic flight test data. <b>2009</b> , 82, 2284-2292		4
136	Active Aeroelastic Control Over a Multisurface Wing: Modeling and Wind-Tunnel Testing. <i>AIAA Journal</i> , <b>2009</b> , 47, 1995-2010	2.1	37
135	A non-linear theory of torsional divergence. <b>2009</b> , 223, 2707-2711		2
134	Active aeroelastic control over a four control surface wing model. <i>Aerospace Science and Technology</i> , <b>2009</b> , 13, 374-382	4.9	14
133	Framework for Quantitative Morphing Assessment on Aircraft System Level. <b>2009,</b>		2
132	Aeroelastic Multi-Surface Roll Control of a Three Surfaces Wind Tunnel Model. <b>2009,</b>		2
131	Accommodation of Control Actuator Failures in Morphing Aircraft. <b>2009,</b>		
130	Application of Model Predictive Control to Gust Loads Alleviation Systems. <b>2009,</b>		4
129	Ground/Flight Correlation of Aerodynamic Loads with Structural Response. <b>2009,</b>		7

128	Aeroservoelasticity. <b>2010,</b>			1
127	Review of state of the art in smart rotor control research for wind turbines. <i>Progress in Aerospace Sciences</i> , <b>2010</b> , 46, 1-27	8.8		352
126	Optimization of aeroelastic composite structures using evolutionary algorithms. <b>2010</b> , 42, 171-184			38
125	Zero Poisson's Ratio Cellular Honeycombs for Flex Skins Undergoing One-Dimensional Morphing. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2010</b> , 21, 1737-1753	2.3		122
124	Nonlinear aeroelastic behavior of compliant airfoils. <i>Smart Materials and Structures</i> , <b>2010</b> , 19, 035020	3.4		6
123	Flexible Skins for Morphing Aircraft Using Cellular Honeycomb Cores. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2010</b> , 21, 1719-1735	2.3		132
122	Pressure Adaptive Honeycomb: Mechanics, Modeling, and Experimental Investigation. <b>2010,</b>			1
121	SMorph - Smart Aircraft Morphing Technologies Project. <b>2010,</b>			2
120	Application of Robust Control Design Techniques to the Aeroservoelastic Design Optimization of a Very Flexible UAV Wing. <b>2010,</b>			3
119	Numerical and Experimental Investigation and Optimization of a Morphing Airfoil. <b>2010,</b>			2
118	A Composite Wing Structure with a Morphing Leading Edge. <b>2010,</b>			7
117	Mechanism for Warp-Controlled Twist of a Morphing Wing. <i>Journal of Aircraft</i> , <b>2010</b> , 47, 450-457	1.6		63
116	Morphing unmanned aerial vehicles. <i>Smart Materials and Structures</i> , <b>2011</b> , 20, 103001	3.4		91
115	Conceptual Modeling of an Adaptive Torsion Wing Structure. <b>2011,</b>			9
114	Roll Control of a UAV Using an Adaptive Torsion Structure. <b>2011,</b>			6
113	A Review of Morphing Aircraft. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2011</b> , 22, 823-877	2.3		741
112	Linear Parameter Varying Control for the X-53 Active Aeroelastic Wing. <b>2011,</b>			1
111	Special Topical Issue on Morphing Aircraft. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2011</b> , 22, 977-978	2.3		1

110	Scaling of Performance, Weight, and Actuation of a 2-D Compliant Cellular Frame Structure for a Morphing Wing. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2011</b> , 22, 979-986	2.3	8
109	A Two-Level Approach for the Optimal Design of Morphing Wings Based On Compliant Structures. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2011</b> , 22, 1091-1111	2.3	55
108	Special Topical Issue on Morphing Aircraft. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2011</b> , 22, 821-822	2.3	3
107	Lessons in the Design and Characterization Testing of the Semi-Span Super-Sonic Transport (S4T) Wind-Tunnel Model. <b>2012</b> ,		1
106	An Overview of the Semi-Span Super-Sonic Transport (S4T) Wind-Tunnel Model Program. <b>2012</b> ,		8
105	Receptance Based Active Aeroelastic Control Using Multiple Control Surfaces. <b>2012</b> ,		4
104	Performance and control optimisations using the adaptive torsion wing. <i>Aeronautical Journal</i> , <b>2012</b> , 116, 1061-1077	0.9	8
103	Pitching Dynamic Response of Variable Sweep Wing Aircraft. <b>2012</b> , 197, 159-163		1
102	Model-Predictive Gust Load Alleviation Controller for a Highly Flexible Aircraft. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2012</b> , 35, 1751-1766	2.1	61
101	Control reversal and torsional divergence analysis for a high-aspect-ratio wing. <i>Journal of Mechanical Science and Technology</i> , <b>2012</b> , 26, 3921-3931	1.6	7
100	Control of Linear Parameter Varying Systems with Applications. <b>2012</b> ,		178
99	Aeroservoelastic Design Optimization of a Flexible Wing. <i>Journal of Aircraft</i> , <b>2012</b> , 49, 432-443	1.6	59
98	Realization of Morphing Wings: A Multidisciplinary Challenge. <i>Journal of Aircraft</i> , <b>2012</b> , 49, 11-28	1.6	95
97	Nonlinear dynamic behaviors of a deploying-and-retreating wing with varying velocity. <i>Journal of Sound and Vibration</i> , <b>2013</b> , 332, 6785-6797	3.9	35
96	Dynamic modelling and actuation of the adaptive torsion wing. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2013</b> , 24, 2045-2057	2.3	11
95	Morphing hull implementation for unmanned underwater vehicles. <i>Smart Materials and Structures</i> , <b>2013</b> , 22, 115014	3.4	2
94	Robust Modal Filtering for Control of Flexible Aircraft. <b>2013</b> ,		3
93	Aerodynamic performance benefits of utilising camber morphing wings for unmanned air vehicles. <i>Aeronautical Journal</i> , <b>2013</b> , 117, 315-327	0.9	2

92	On the effectiveness of active aeroelastic structures for morphing aircraft. <i>Aeronautical Journal</i> , <b>2013</b> , 117, 1167-1176	0.9	2
91	Roll control of a MALE UAV using the adaptive torsion wing. <i>Aeronautical Journal</i> , <b>2013</b> , 117, 299-314	0.9	4
90	REDUCED-ORDER-MODEL-BASED PLACEMENT OPTIMIZATION OF MULTIPLE CONTROL SURFACES FOR ACTIVE AEROELASTIC CONTROL. <i>International Journal of Computational Methods</i> , <b>2014</b> , 11, 135008 <sup>1,1</sup>		3
89	Receptance-Based Active Aeroelastic Control Using Multiple Control Surfaces. <i>Journal of Aircraft</i> , <b>2014</b> , 51, 335-342	1.6	29
88	The NASA High Speed ASE Project: Computational Analyses of a Low-Boom Supersonic Configuration. <b>2014</b> ,		5
87	Optimization of Control Surface Parameters with Augmented Flutter Boundary Constraints. <b>2014</b> ,		4
86	Model Predictive Control of a Nonlinear Aeroelastic System Using Reduced-Order Volterra Models. <b>2014</b> ,		0
85	Topology Optimization & Experimental Validation of 0- $\square$ Honeycomb for Adaptive Morphing Wing. <b>2014</b> ,		6
84	Development of a morphing flap using shape memory alloy actuators: the aerodynamic characteristics of a morphing flap. <i>Smart Materials and Structures</i> , <b>2014</b> , 23, 074015	3.4	10
83	Design and optimization of a morphing aileron control surface using FMC actuators. <b>2014</b> ,		1
82	Aeroelastic Analysis and Optimization of Flexible Wing Aircraft with a Novel Control Effector. <b>2015</b> ,		2
81	Twist Morphing Using the Variable Cross Section Spar: Feasibility Study. <i>Journal of Aerospace Engineering</i> , <b>2015</b> , 28, 04014146	1.4	
80	Control of a Nonlinear Wing Section using Fly-by-Feel Sensing. <b>2015</b> ,		11
79	Conceptual Design and Experimental Demonstration of a Distributedly Actuated Morphing Wing. <i>Journal of Aircraft</i> , <b>2015</b> , 52, 452-461	1.6	15
78	Active Vibration Control of Piezolaminated Composite Plates Considering Strong Electric Field Nonlinearity. <i>AIAA Journal</i> , <b>2015</b> , 53, 603-616	2.1	18
77	Effect of Embedded Control Surface Actuators on Active Aeroelastic Control. <b>2015</b> ,		1
76	Low-Weight Low-Drag Truss-Braced Wing Design Using Variable Camber Continuous Trailing Edge Flaps. <b>2015</b> ,		4
75	Active aeroelastic control with time delay for targeted flutter modes. <i>Aerospace Science and Technology</i> , <b>2015</b> , 43, 281-288	4.9	17



74	An Overview of the NASA High Speed ASE Project: Aeroelastic Analyses of a Low-Boom Supersonic Configuration. <b>2015</b> ,		4
73	Active Aeroelastic Alteration to Reduce Off-Design Induced Drag. <b>2016</b> ,		0
72	Aeroelastic effects of a simple rectangular wing-box model with varying rib orientations. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 152, 012009	0.4	3
71	Fuel Burn Reduction Through Wing Morphing. <b>2016</b> , 1-7		2
70	Receptance-Based Active Aeroelastic Control with Embedded Control Surfaces Having Actuator Dynamics. <i>Journal of Aircraft</i> , <b>2016</b> , 53, 830-845	1.6	17
69	Reducing Induced Drag and Maneuver Loads by Active Aeroelastic Alteration. <i>Journal of Aircraft</i> , <b>2016</b> , 53, 1787-1801	1.6	2
68	Aeroservoelastic Test of the Subsonic Ultra-Green Aircraft Research Truss-Braced Wing Model. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2016</b> , 39, 1820-1833	2.1	6
67	Wind-Tunnel Tests for Active Flutter Control and Closed-Loop Flutter Identification. <i>AIAA Journal</i> , <b>2016</b> , 54, 2089-2099	2.1	23
66	Effect of twist morphing wing segment on aerodynamic performance of UAV. <i>Journal of Mechanical Science and Technology</i> , <b>2016</b> , 30, 229-236	1.6	27
65	Directionally Variable Stiffness to Reduce Actuation Requirement in Airfoil Camber Morphing. <b>2016</b> ,		
64	X-56A Aeroelastic Flight Test Predictions. <b>2016</b> ,		4
63	Spiral pulley negative stiffness mechanism for passive energy balancing. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2016</b> , 27, 1673-1686	2.3	4
62	Active control design for an unmanned air vehicle with a morphing wing. <i>Aircraft Engineering and Aerospace Technology</i> , <b>2016</b> , 88, 168-177	5	9
61	Modeling of Highly Flexible Multifunctional Wings for Energy Harvesting. <i>Journal of Aircraft</i> , <b>2016</b> , 53, 1033-1044	1.6	20
60	Complete morphing wing design using flexible-rib system. <i>International Journal of Mechanics and Materials in Design</i> , <b>2017</b> , 13, 159-171	2.5	20
59	Aeroelastic Applications of a Variable-Geometry Raked Wingtip. <i>Journal of Aircraft</i> , <b>2017</b> , 54, 62-74	1.6	5
58	Geometrically-nonlinear effects in lateral manoeuvres with coupled flight dynamics and aeroelasticity. <b>2017</b> ,		
57	Active Flutter Suppression: State of the Art and Technology Maturation Needs. <b>2017</b> ,		2

56	Optimal Rolling Maneuvers with Very Flexible Wings. <i>AIAA Journal</i> , <b>2017</b> , 55, 2964-2979	2.1	5
55	Digital Morphing Wing: Active Wing Shaping Concept Using Composite Lattice-Based Cellular Structures. <i>Soft Robotics</i> , <b>2017</b> , 4, 33-48	9.2	97
54	Aeroelastic Tailoring and Active Aeroelastic Wing Impact on a Lambda Wing Configuration. <i>Journal of Aircraft</i> , <b>2017</b> , 54, 11-19	1.6	6
53	A Comparative Study: Aerodynamics of Morphed Airfoils Using CFD Techniques and Analytical Tools. <b>2017</b> ,		3
52	Modeling and aerodynamic characteristics analysis of morphing aircraft. <b>2017</b> ,		
51	BLP Optimization of Composite Flying-wings with SpaRibs and Multiple Control Surfaces. <b>2018</b> ,		5
50	Determination of Optimal Wing Twist Pattern for a Composite Digital Wing. <b>2018</b> ,		1
49	Aircraft Active Flutter Suppression: State of the Art and Technology Maturation Needs. <i>Journal of Aircraft</i> , <b>2018</b> , 55, 410-452	1.6	65
48	Bi-Directional Stiffness for Airfoil Camber Morphing. <i>AIAA Journal</i> , <b>2018</b> , 56, 1639-1646	2.1	4
47	Distributed Propulsion Aircraft with Aeroelastic Wing Shaping Control for Improved Aerodynamic Efficiency. <i>Journal of Aircraft</i> , <b>2018</b> , 55, 1122-1140	1.6	10
46	Flutter suppression and stability analysis for a variable-span wing via morphing technology. <i>Journal of Sound and Vibration</i> , <b>2018</b> , 412, 410-423	3.9	15
45	Static and dynamic FE analysis of piezolaminated composite shells considering electric field nonlinearity under thermo-electro-mechanical loads. <i>Acta Mechanica</i> , <b>2018</b> , 229, 5093-5120	2.1	7
44	Optimization of Variable-Camber Continuous Trailing-Edge Flap Configuration for Drag Reduction. <i>Journal of Aircraft</i> , <b>2018</b> , 55, 2217-2239	1.6	13
43	Multiobjective Optimization of Composite Flying-wings with SpaRibs and Multiple Control Surfaces. <b>2018</b> ,		1
42	A review of modelling and analysis of morphing wings. <i>Progress in Aerospace Sciences</i> , <b>2018</b> , 100, 46-62	8.8	107
41	Aero-structural optimization of the HIRENASD Model configuration. <b>2018</b> ,		
40	Distributed Sensing of a Cantilever Beam and Plate using a Fiber Optic Sensing System. <b>2018</b> ,		3
39	Wing twisting by elastic instability: A purely passive approach. <i>Composite Structures</i> , <b>2018</b> , 206, 750-761	5.3	2

38	Design of a transonic wing with an adaptive morphing trailing edge via aerostructural optimization. <i>Aerospace Science and Technology</i> , <b>2018</b> , 81, 192-203	4.9	50
37	Active aeroelastic wing application on a forward swept wing configuration. <i>Engineering Applications of Computational Fluid Mechanics</i> , <b>2019</b> , 13, 1063-1079	4.5	3
36	Optimization of Locations and Fiber Orientations of Piezocomposite Actuators on Flexible Wings for Aeroelastic Control. <i>Journal of Aerospace Engineering</i> , <b>2019</b> , 32, 04019056	1.4	2
35	LPV-Based Self-Adaption Integral Sliding Mode Controller With $L_2$ Gain Performance for a Morphing Aircraft. <i>IEEE Access</i> , <b>2019</b> , 7, 81515-81531	3.5	8
34	Investigations of passive wing technologies for load reduction. <i>CEAS Aeronautical Journal</i> , <b>2019</b> , 10, 977-993	1.9	2
33	A Gain Scheduling Control of Incompressible Airfoil Flutter Tuned by the Population Decline Swarm Optimizer (P <sub>D</sub> SO). <i>Aerotecnica Missili &amp; Spazio</i> , <b>2020</b> , 99, 3-16	0.4	2
32	Revisiting the Fundamentals of Control Surface Reversal Including Nonlinear Effects. <i>Journal of Aircraft</i> , <b>2020</b> , 57, 1212-1219	1.6	0
31	Investigation of Sensors & Actuators based on Hankel Singular Values. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 899, 012012	0.4	
30	A coupled efficient layerwise finite element model for free vibration analysis of smart piezo-bonded laminated shells featuring delaminations and transducer debonding. <i>International Journal of Mechanical Sciences</i> , <b>2021</b> , 194, 106195	5.5	7
29	Aerodynamically-Adaptive Aero-Structures Part 1: Flow-Interactive Control using Distributed Bleed Actuation. <b>2021</b> ,		
28	Recent developments in the aeroelasticity of morphing aircraft. <i>Progress in Aerospace Sciences</i> , <b>2021</b> , 120, 100682	8.8	20
27	Design, Analysis, and Testing of the Active Aeroelastic Aircraft Testbed (A3TB) Platform. <b>2021</b> ,		0
26	Large deflection electro-mechanical analysis of composite structures bonded with macro-fiber composite actuators considering thermal loads. <i>Engineering With Computers</i> , 1	4.5	3
25	Aerodynamic Design Optimization of a Morphing Leading Edge and Trailing Edge Airfoil Application on the UAS-S45. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 1664	2.6	8
24	Onboard Trajectory Generation of Hypersonic Morphing Aircraft. <i>International Journal of Aerospace Engineering</i> , <b>2021</b> , 2021, 1-11	0.9	
23	Fuzzy control of nonlinear aeroelastic system based on neural network identification. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 095441002110109	0.9	
22	Adaptive fuzzy control of nonlinear aeroelastic system with measurement noise. <i>Journal of Vibroengineering</i> , <b>2021</b> , 23, 1184-1195	0.5	0
21	Numerical Study of the Boundary Layer Behavior on Morphing Trailing Edge Wing using intermittency Transition model. <b>2021</b> ,		

20	Linear Parameter-Varying Control for the X-53 Active Aeroelastic Wing. <b>2012</b> , 483-512		6
19	Nonlinear System Identification of Aeroelastic Systems: A Structure-detection Approach. <b>2007</b> , 117-145		1
18	Computational Aeroelastic Analyses of a Low-Boom Supersonic Configuration. <b>2015</b> ,		2
17	Reducing Induced Drag and Maneuver Loads by Active Aeroelastic Alteration. <b>2015</b> ,		0
16	A variable stiffness morphing skin: preparation and properties. <i>Smart Materials and Structures</i> ,	3-4	2
15	Aircraft Control, Applications of Smart Structures.		
14	Damage mechanics, fracture, fatigue, blast, impact, damage modelling. <b>2010</b> , 113-126		
13	Adaptive Load Control of Flexible Aircraft Wings Using Fiber Optic Sensing. <b>2018</b> ,		
12	Signal-Adaptive Aeroelastic Flight Data Analysis with HHT. <b>2006</b> , 321-362		
11	Flexible smart sensing skin for Fly-by-Feel morphing aircraft. <i>Science China Technological Sciences</i> , 1	3-5	6
10	Hybrid control technique applied to an aero-servo-viscoelastic simplified wing model. <i>Aerospace Science and Technology</i> , <b>2022</b> , 122, 107387	4-9	
9	Deep Reinforcement Learning based Diving/Pull-out Control for Bioinspired Morphing UAVs. <i>Unmanned Systems</i> ,		3
8	Identification of Dynamic Structural Properties of a Flexible Wing Through Distributed Bleed Flow Control. <b>2022</b> ,		
7	Analysis of Motion Characteristics of Bionic Morphing Wing Based on Sarrus Linkages. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 6023	2.6	0
6	Aeroelastic Shape Control Using Fiber-Optic-Measured Strain Data and Multiple Control Surfaces. <i>Journal of Aircraft</i> , 1-17	1.6	0
5	Glide performance analysis of underwater glider with sweep wings inspired by swift. 9,		0
4	Development of a morphing UAV for optimal multi-segment mission performance. 1-33		0
3	Active disturbance rejection controller design for alleviation of gust-induced aeroelastic responses. <b>2023</b> , 108116		0

- 2 Aerostructural performance improvement in an unmanned long endurance aircraft using adaptive wing concept. 095441002311639 ○
- 1 A Review on Evolution of Aeroelastic Assisted Wing. ○