

Wen Bao

List of Publications by Year in descending order

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167
papers

4,834
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94433

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167
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167
docs citations

167
times ranked

1096
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent research progress on unstart mechanism, detection and control of hypersonic inlet. Progress in Aerospace Sciences, 2017, 89, 1-22.	12.1	175
2	Research progress on strut-equipped supersonic combustors for scramjet application. Progress in Aerospace Sciences, 2018, 103, 1-30.	12.1	149
3	Thermal management method of fuel in advanced aeroengines. Energy, 2013, 49, 459-468.	8.8	109
4	Research progress on active thermal protection for hypersonic vehicles. Progress in Aerospace Sciences, 2020, 119, 100646.	12.1	106
5	Experimental study on effect of pressure on heat sink of n-decane. Chemical Engineering Journal, 2014, 243, 127-136.	12.7	102
6	Numerical analysis of flowing cracked hydrocarbon fuel inside cooling channels in view of thermal management. Energy, 2014, 67, 149-161.	8.8	92
7	Efficient utilization of heat sink of hydrocarbon fuel for regeneratively cooled scramjet. Applied Thermal Engineering, 2012, 33-34, 208-218.	6.0	81
8	Thermal behavior in the cracking reaction zone of scramjet cooling channels at different channel aspect ratios. Acta Astronautica, 2016, 127, 41-56.	3.2	74
9	Modeling and analysis of heat and mass transfers of supercritical hydrocarbon fuel with pyrolysis in mini-channel. International Journal of Heat and Mass Transfer, 2015, 91, 520-531.	4.8	71
10	Switching control of thrust regulation and inlet buzz protection for ducted rocket. Acta Astronautica, 2010, 67, 764-773.	3.2	69
11	Thermal Behavior Inside Scramjet Cooling Channels at Different Channel Aspect Ratios. Journal of Propulsion and Power, 2016, 32, 57-70.	2.2	68
12	Quasi-One-Dimensional Model of Scramjet Combustor Coupled with Regenerative Cooling. Journal of Propulsion and Power, 2016, 32, 687-697.	2.2	67
13	Novel Oscillatory Patterns of Hypersonic Inlet Buzz. Journal of Propulsion and Power, 2012, 28, 1214-1221.	2.2	65
14	Investigation of flame establishment and stabilization mechanism in a kerosene fueled supersonic combustor equipped with a thin strut. Aerospace Science and Technology, 2017, 70, 152-160.	4.8	63
15	Oscillation of the shock train in an isolator with incident shocks. Physics of Fluids, 2018, 30, .	4.0	63
16	Performance evaluation of power generation system with fuel vapor turbine onboard hydrocarbon fueled scramjets. Energy, 2014, 77, 732-741.	8.8	62
17	Investigations on flame liftoff characteristics in liquid-kerosene fueled supersonic combustor equipped with thin strut. Aerospace Science and Technology, 2019, 84, 686-697.	4.8	60
18	Dynamic Characteristics of Combustion Mode Transitions in a Strut-Based Scramjet Combustor Model. Journal of Propulsion and Power, 2013, 29, 1244-1248.	2.2	59

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19	Effect of channel aspect ratio on chemical recuperation process in advanced aeroengines. Energy, 2017, 123, 9-19.	8.8	57
20	Thermodynamic analysis on optimum performance of scramjet engine at high Mach numbers. Energy, 2015, 90, 1046-1054.	8.8	54
21	Parametric performance analysis of multiple Re-Cooled Cycle for hydrogen fueled scramjet. International Journal of Hydrogen Energy, 2009, 34, 7334-7341.	7.1	51
22	Analysis of combustion mode and operating route for hydrogen fueled scramjet engine. International Journal of Hydrogen Energy, 2013, 38, 5928-5935.	7.1	50
23	Thermodynamic analysis and parametric study of a closed Brayton cycle thermal management system for scramjet. International Journal of Hydrogen Energy, 2010, 35, 356-364.	7.1	49
24	Thermal management of fuel in advanced aeroengine in view of chemical recuperation. Energy, 2014, 77, 201-211.	8.8	48
25	Experimental and theoretical investigation of power generation scheme driven by thermal cracked gaseous hydrocarbon fuel for hypersonic vehicle. Energy Conversion and Management, 2018, 165, 334-343.	9.2	48
26	Maximum thrust for the rocket-ejector mode of the hydrogen fueled rocket-based combined cycle engine. International Journal of Hydrogen Energy, 2015, 40, 3771-3776.	7.1	46
27	Parametric numerical analysis of regenerative cooling in hydrogen fueled scramjet engines. International Journal of Hydrogen Energy, 2016, 41, 10942-10960.	7.1	46
28	Experimental study of a flush wall scramjet combustor equipped with strut/wall fuel injection. Acta Astronautica, 2014, 104, 84-90.	3.2	45
29	Experimental and numerical investigation on hysteresis characteristics and formation mechanism for a variable geometry dual-mode combustor. Aerospace Science and Technology, 2017, 67, 96-104.	4.8	44
30	Flow field characteristics analysis and combustion modes classification for a strut/cavity dual-mode combustor. Acta Astronautica, 2017, 137, 44-51.	3.2	43
31	Unstart/restart hysteresis characteristics analysis of an over- under TBCC inlet caused by backpressure and splitter. Aerospace Science and Technology, 2018, 72, 418-425.	4.8	43
32	Optimal Classification Criteria of Hypersonic Inlet Start/Unstart. Journal of Propulsion and Power, 2007, 23, 310-316.	2.2	42
33	Local and global flame characteristics in a liquid kerosene fueled supersonic combustor equipped with a thin strut. Aerospace Science and Technology, 2018, 76, 49-57.	4.8	42
34	Numerical and experimental investigation of improving combustion performance of variable geometry dual-mode combustor. Aerospace Science and Technology, 2017, 64, 213-222.	4.8	41
35	Performance assessment of multi-stage thermoelectric generators on hypersonic vehicles at a large temperature difference. Applied Thermal Engineering, 2018, 130, 1598-1609.	6.0	41
36	Design and heat transfer characteristics analysis of combined active and passive thermal protection system for hydrogen fueled scramjet. International Journal of Hydrogen Energy, 2015, 40, 675-682.	7.1	40

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37	Thermodynamic analysis on specific thrust of the hydrocarbon fueled scramjet. <i>Energy</i> , 2014, 76, 552-558.	8.8	39
38	Power optimization and comparison between simple recuperated and recompressing supercritical carbon dioxide Closed-Brayton-Cycle with finite cold source on hypersonic vehicles. <i>Energy</i> , 2019, 181, 1189-1201.	8.8	39
39	Parametric study on the distribution of flow rate and heat sink utilization in cooling channels of advanced aero-engines. <i>Energy</i> , 2017, 138, 1056-1068.	8.8	38
40	A mechanism of combustion mode transition for hydrogen fueled scramjet. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 9791-9797.	7.1	37
41	Unstart Margin Characterization Method of Scramjet Considering Isolator-Combustor Interactions. <i>AIAA Journal</i> , 2015, 53, 493-500.	2.6	37
42	Event-triggered robust H_∞ control for uncertain switched linear systems. <i>International Journal of Systems Science</i> , 2017, 48, 3172-3185.	5.5	37
43	The flow rate distribution of hydrocarbon fuel in parallel channels with different cross section shapes. <i>Applied Thermal Engineering</i> , 2018, 137, 173-183.	6.0	37
44	Combustion stabilizations in a liquid kerosene fueled supersonic combustor equipped with an integrated pilot strut. <i>Aerospace Science and Technology</i> , 2018, 77, 83-91.	4.8	37
45	Analysis of the maximum flight Mach number of hydrocarbon-fueled scramjet engines under the flight cruising constraint and the combustor cooling requirement. <i>Aerospace Science and Technology</i> , 2020, 98, 105594.	4.8	37
46	Flame Transition in Dual-Mode Scramjet Combustor with Oxygen Piloted Ignition. <i>Journal of Propulsion and Power</i> , 2014, 30, 1103-1107.	2.2	35
47	Flow rate distribution of cracked hydrocarbon fuel in parallel pipes. <i>Fuel</i> , 2015, 161, 105-112.	6.4	35
48	Flame propagation and flashback characteristics in a kerosene fueled supersonic combustor equipped with strut/wall combined fuel injectors. <i>Aerospace Science and Technology</i> , 2019, 93, 105303.	4.8	35
49	Flame oscillation characteristics in a kerosene fueled dual mode combustor equipped with thin strut flameholder. <i>Acta Astronautica</i> , 2019, 161, 222-233.	3.2	35
50	Performance evaluation of regenerative cooling/film cooling for hydrocarbon fueled scramjet engine. <i>Acta Astronautica</i> , 2018, 148, 57-68.	3.2	34
51	Ignition characteristics in a thin strut-equipped dual mode combustor fueled with liquid kerosene. <i>Acta Astronautica</i> , 2019, 161, 125-138.	3.2	34
52	Experimental study on combustion modes and thrust performance of a staged-combustor of the scramjet with dual-strut. <i>Acta Astronautica</i> , 2016, 122, 28-34.	3.2	33
53	Influence of magnetic fluids on the dynamic characteristics of a hydraulic servo-valve torque motor. <i>Mechanical Systems and Signal Processing</i> , 2008, 22, 1008-1015.	8.0	32
54	Unstart margin control of hypersonic inlets. <i>Acta Astronautica</i> , 2010, 66, 78-87.	3.2	32

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55	Effects of Microribs on the Thermal Behavior of Transcritical n-Decane in Asymmetric Heated Rectangular Mini-Channels Under Near Critical Pressure. <i>Journal of Heat Transfer</i> , 2018, 140, .	2.1	32
56	Performance comparison of single- and multi-stage onboard thermoelectric generators and stage number optimization at a large temperature difference. <i>Applied Thermal Engineering</i> , 2018, 141, 456-466.	6.0	32
57	Performance assessment of a closed-recuperative-Brayton-cycle based integrated system for power generation and engine cooling of hypersonic vehicle. <i>Aerospace Science and Technology</i> , 2019, 87, 278-288.	4.8	32
58	Operation pattern classification of hypersonic inlets. <i>Acta Astronautica</i> , 2009, 65, 457-466.	3.2	31
59	Nonlinear characteristics and detection of combustion modes for a hydrocarbon fueled scramjet. <i>Acta Astronautica</i> , 2015, 110, 89-98.	3.2	31
60	Effects of wall cooling on performance parameters of hypersonic inlets. <i>Acta Astronautica</i> , 2009, 65, 467-476.	3.2	30
61	State-Based Switching Control Strategy with Application to Aeroengine Safety Protection. <i>Journal of Aerospace Engineering</i> , 2015, 28, .	1.4	30
62	A control method for flow rate distribution of cracked hydrocarbon fuel in parallel channels. <i>Applied Thermal Engineering</i> , 2016, 105, 531-536.	6.0	30
63	Performance cycle analysis of an open cooling cycle for a scramjet. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2009, 223, 599-607.	1.3	29
64	Richtmyer-Meshkov Instability Induced Mixing Enhancement in the Scramjet Combustor with a Central Strut. <i>Advances in Mechanical Engineering</i> , 2014, 6, 614189.	1.6	29
65	Numerical investigation on the forced oscillation of shock train in hypersonic inlet with translating cowl. <i>Aerospace Science and Technology</i> , 2019, 87, 311-322.	4.8	29
66	Control-oriented unsteady one-dimensional model for a hydrocarbon regeneratively-cooled scramjet engine. <i>Aerospace Science and Technology</i> , 2019, 85, 158-170.	4.8	29
67	Recent research progress on airbreathing aero-engine control algorithm. <i>Propulsion and Power Research</i> , 2022, 11, 1-57.	4.3	29
68	Mathematical modeling and rapid recognition of hypersonic inlet buzz. <i>Aerospace Science and Technology</i> , 2012, 23, 172-178.	4.8	28
69	Experimental Investigation of Hysteresis Phenomenon for Scramjet Engine. <i>AIAA Journal</i> , 2014, 52, 447-451.	2.6	28
70	Mathematical modeling and characteristic analysis for over-under turbine based combined cycle engine. <i>Acta Astronautica</i> , 2018, 148, 141-152.	3.2	28
71	Flow and heat transfer characteristics in fuel cooling channels of a recooling cycle. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 10589-10598.	7.1	27
72	Combustion characteristic using O_2 -pilot strut in a liquid-kerosene-fueled strut-based dual-mode scramjet. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2013, 227, 1870-1880.	1.3	27

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73	Numerical investigation of the impact of asymmetric fuel injection on shock train characteristics. <i>Acta Astronautica</i> , 2014, 105, 66-74.	3.2	27
74	Backpressure unstart detection for a scramjet inlet based on information fusion. <i>Acta Astronautica</i> , 2014, 95, 1-14.	3.2	27
75	Effect of Mach number and equivalence ratio on the pressure rising variation during combustion mode transition in a dual-mode combustor. <i>Aerospace Science and Technology</i> , 2018, 72, 516-524.	4.8	27
76	Numerical studies for performance improvement of a variable geometry dual mode combustor by optimizing deflection angle. <i>Aerospace Science and Technology</i> , 2017, 68, 320-330.	4.8	26
77	Thermodynamic analysis for high-power electricity generation systems based on closed-Brayton-cycle with finite cold source on hypersonic vehicles. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 14762-14774.	7.1	26
78	Experimental study on chemical recuperation process of endothermic hydrocarbon fuel. <i>Fuel</i> , 2013, 108, 445-450.	6.4	25
79	Pressure rising slope variation accompanying with combustion mode transition in a dual-mode combustor. <i>Aerospace Science and Technology</i> , 2017, 68, 370-379.	4.8	25
80	Experimental study on the forced oscillation of shock train in an isolator with background waves. <i>Aerospace Science and Technology</i> , 2020, 106, 106129.	4.8	25
81	Effect of geometry parameters on the hydrocarbon fuel flow rate distribution in pyrolysis zone of SCSRAMjet cooling channels. <i>International Journal of Heat and Mass Transfer</i> , 2019, 141, 1114-1130.	4.8	24
82	Thrust control system design of ducted rockets. <i>Acta Astronautica</i> , 2011, 69, 86-95.	3.2	23
83	Combustion stabilization based on a center flame strut in a liquid kerosene fueled supersonic combustor. <i>Journal of Thermal Science</i> , 2013, 22, 497-504.	1.9	23
84	Experimental study on the performance of recooling cycle of hydrocarbon fueled scramjet engine. <i>Fuel</i> , 2013, 108, 334-340.	6.4	23
85	The influences of the header geometry on hydrocarbon fuel flow distribution in compact parallel channels. <i>Aerospace Science and Technology</i> , 2018, 79, 318-327.	4.8	23
86	Effect of structural factors on maximum aerodynamic heat flux of strut leading surface. <i>Applied Thermal Engineering</i> , 2014, 69, 188-198.	6.0	22
87	Effects of combustion on supersonic film cooling using gaseous hydrocarbon fuel as coolant. <i>Aerospace Science and Technology</i> , 2020, 106, 106202.	4.8	22
88	Indirect measurement method of inner wall temperature of scramjet with a state observer. <i>Acta Astronautica</i> , 2015, 115, 330-337.	3.2	21
89	Analysis of energy cascade utilization in a chemically recuperated scramjet with indirect combustion. <i>Energy</i> , 2016, 114, 1100-1106.	8.8	21
90	Effect of continuous Mach number variation of incoming flow on ramjet/scram transition in a dual-mode combustor. <i>Aerospace Science and Technology</i> , 2018, 76, 433-441.	4.8	21

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91	Performance evaluation and comparison of electricity generation systems based on single- and two-stage thermoelectric generator for hypersonic vehicles. <i>Acta Astronautica</i> , 2018, 151, 15-21.	3.2	21
92	Performance assessment of an integrated power generation and refrigeration system on hypersonic vehicles. <i>Aerospace Science and Technology</i> , 2019, 89, 192-203.	4.8	21
93	Robust asynchronous bumpless transfer for switched linear systems. <i>International Journal of Control</i> , 2015, 88, 2433-2443.	1.9	20
94	Switching control of thrust regulation and inlet unstart protection for scramjet engine based on Min strategy. <i>Aerospace Science and Technology</i> , 2015, 40, 96-103.	4.8	20
95	The influences of variable sectional area design on improving the hydrocarbon fuel flow distribution in parallel channels under supercritical pressure. <i>Fuel</i> , 2018, 233, 442-453.	6.4	20
96	Flame Interaction Characteristics in Scramjet Combustor Equipped with Strut/Wall Combined Fuel Injectors. <i>Combustion Science and Technology</i> , 2020, 192, 1863-1886.	2.3	20
97	Effect of enhanced heat transfer structures on the chemical recuperation process of advanced aero-engine. <i>Energy</i> , 2020, 211, 118580.	8.8	20
98	Flowing residence characteristics in a dual-mode scramjet combustor equipped with strut flame holder. <i>Aerospace Science and Technology</i> , 2020, 99, 105718.	4.8	20
99	Effects of cracking reaction on supersonic film cooling using gaseous hydrocarbon fuel as coolant. <i>Applied Thermal Engineering</i> , 2020, 171, 115134.	6.0	20
100	Performance limit analysis of Recooled Cycle for regenerative cooling systems. <i>Energy Conversion and Management</i> , 2009, 50, 1908-1914.	9.2	19
101	Performance improvement of gaseous hydrocarbon fuel driven thermal power generation systems for hypersonic vehicles. <i>Energy Conversion and Management</i> , 2019, 199, 111949.	9.2	19
102	Multi-objective regulating and protecting control for ducted rocket using a bumpless transfer scheme. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2013, 227, 311-325.	1.3	18
103	Effects of upstream strut on the combustion of liquid kerosene in a model cavity scramjet. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2014, 228, 2323-2328.	1.3	18
104	Combustion characteristics of a dual-mode scramjet injecting liquid kerosene by multiple struts. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2015, 229, 983-992.	1.3	18
105	Effect of heat release on movement characteristics of shock train in an isolator. <i>Acta Astronautica</i> , 2017, 133, 185-194.	3.2	18
106	Performance Evaluation of Waste Heat Recovery Systems Based on Semiconductor Thermoelectric Generators for Hypersonic Vehicles. <i>Energies</i> , 2017, 10, 570.	3.1	18
107	Event-triggered and guaranteed cost finite-time H_∞ control for uncertain switched linear systems. <i>Optimal Control Applications and Methods</i> , 2018, 39, 1337-1353.	2.1	18
108	Investigation of performance and mode transition in a variable divergence ratio dual-mode combustor. <i>Aerospace Science and Technology</i> , 2018, 80, 496-507.	4.8	18

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109	Parametric study on the hydrocarbon fuel flow rate distribution and cooling effect in non-uniformly heated parallel cooling channels. <i>International Journal of Heat and Mass Transfer</i> , 2018, 126, 267-276.	4.8	18
110	Path dependence characteristic of shock train in a 2D hypersonic inlet with variable background waves. <i>Aerospace Science and Technology</i> , 2019, 86, 650-658.	4.8	18
111	Buzz evolution process investigation of a two-ramp inlet with translating cowl. <i>Aerospace Science and Technology</i> , 2019, 84, 712-723.	4.8	18
112	Data-driven super-resolution reconstruction of supersonic flow field by convolutional neural networks. <i>AIP Advances</i> , 2021, 11, .	1.3	18
113	Effect of Fuel Injection Allocation on the Combustion Characteristics of a Cavity-Strut Model Scramjet. <i>Journal of Aerospace Engineering</i> , 2015, 28, .	1.4	17
114	Numerical heat transfer analysis of transcritical hydrocarbon fuel flow in a tube partially filled with porous media. <i>Open Physics</i> , 2016, 14, 659-667.	1.7	17
115	Power generation and heat sink improvement characteristics of recooling cycle for thermal cracked hydrocarbon fueled scramjet. <i>Science China Technological Sciences</i> , 2011, 54, 955-963.	4.0	16
116	Thermodynamic analysis for a chemically recuperated scramjet. <i>Science China Technological Sciences</i> , 2012, 55, 3204-3212.	4.0	16
117	Catastrophe, hysteresis and bifurcation of mode transition in scramjet engines and its model. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 1543-1550.	0.9	14
118	Thermodynamic optimization for a scramjet with Re-cooled Cycle. <i>Acta Astronautica</i> , 2010, 66, 1449-1457.	3.2	14
119	Off-Design Condition Cooling Capacity Analysis of Recooling Cycle for a Scramjet. <i>Journal of Propulsion and Power</i> , 2012, 28, 1285-1292.	2.2	14
120	Control-oriented modeling and real-time simulation method for a dual-mode scramjet combustor. <i>Acta Astronautica</i> , 2018, 153, 82-94.	3.2	14
121	Performance comparison on wall cooling and heat supply for power generation between fuel- and liquid metal-cooled scramjet. <i>Aerospace Science and Technology</i> , 2019, 93, 105294.	4.8	14
122	Ignition Characteristics of a Liquid-Kerosene-Fueled Scramjet during Air Throttling Combined with a Gas Generator. <i>Journal of Aerospace Engineering</i> , 2014, 27, 06014003.	1.4	13
123	Experimental study on measurement and calculation of heat flux in supersonic combustor of scramjet. <i>Journal of Thermal Science</i> , 2015, 24, 254-259.	1.9	13
124	Multi-objective coordinated control of regeneratively-cooled scramjet engine with two-stage kerosene injection. <i>Aerospace Science and Technology</i> , 2019, 90, 59-69.	4.8	13
125	Effects of shock waves interaction on hydrocarbon fueled supersonic film cooling with combustion. <i>Aerospace Science and Technology</i> , 2021, 113, 106693.	4.8	13
126	Comparison During a Scramjet Regenerative Cooling and Recooling Cycle. <i>Journal of Thermophysics and Heat Transfer</i> , 2012, 26, 612-618.	1.6	12

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127	Effect of recooling cycle on performance of hydrogen fueled scramjet. International Journal of Hydrogen Energy, 2012, 37, 18528-18536.	7.1	12
128	Switching control of thrust regulation and inlet unstart protection for scramjet engine based on strategy of integral initial values resetting. Aerospace Science and Technology, 2015, 45, 484-489.	4.8	12
129	Real-time unstart prediction and detection of hypersonic inlet based on recursive Fourier transform. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2015, 229, 772-778.	1.3	12
130	Robust Bumpless Transfer Design Using Adaptive Sliding Mode Approach. Asian Journal of Control, 2013, 15, 1785-1793.	3.0	11
131	Thermodynamic analysis for recuperation in a scramjet nozzle with wall cooling. Applied Thermal Engineering, 2017, 121, 153-162.	6.0	11
132	Instability of shock train behaviour with incident shocks. Journal of Fluid Mechanics, 2021, 907, .	3.4	11
133	New Method for Solving One-Dimensional Transonic Reacting Flows of a Scramjet Combustor. Journal of Propulsion and Power, 2016, 32, 1403-1412.	2.2	10
134	Scramjet Isolator Shock-Train Leading-Edge Position Modeling Based on Equilibrium Manifold. Journal of Aerospace Engineering, 2015, 28, .	1.4	9
135	Bumpless switching control for switched systems with partial actuator failures. International Journal of Systems Science, 2016, 47, 3554-3560.	5.5	9
136	Research on the operating boundary of the dual mode scramjet with a constant area combustor through thermodynamic cycle analysis. Energy, 2021, 216, 119271.	8.8	9
137	Effects of boundary-layer bleeding on unstart oscillatory flow of hypersonic inlets. Aeronautical Journal, 2010, 114, 445-450.	1.6	8
138	Hydrogen-fueled scramjet cooling system investigation using combustor and regenerative cooling coupled model. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2014, 228, 820-830.	1.3	8
139	Numerical Analysis of Supersonic Film Cooling in Supersonic Flow in Hypersonic Inlet with Isolator. Advances in Mechanical Engineering, 2014, 6, 468790.	1.6	8
140	Parametric numerical analysis on the interaction between combustion and hydrocarbon fueled supersonic film cooling. Aerospace Science and Technology, 2021, 111, 106535.	4.8	8
141	Performance evaluation for a combined power generation system of closed-Brayton-cycle and thermoelectric generator with finite cold source at room temperature on hypersonic vehicles. Energy, 2022, 254, 124444.	8.8	8
142	Relative Time scale analysis for pressure propagation during ignition process of a scramjet. Aerospace Science and Technology, 2014, 39, 206-210.	4.8	7
143	Coordinated control for regulation/protection mode-switching of ducted rockets. Acta Astronautica, 2014, 98, 138-146.	3.2	7
144	Research on combustion performance optimization in scramjet combustor with strut/wall combined fuel injection scheme. Aerospace Science and Technology, 2021, 109, 106376.	4.8	7

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145	Effects of wall thermal state on the cooling and friction reduction characters for supersonic film using gaseous hydrocarbon fuel. Applied Thermal Engineering, 2022, 209, 118291.	6.0	7
146	Unstart Coupling Mechanism Analysis of Multiple-Modules Hypersonic Inlet. Scientific World Journal, The, 2013, 2013, 1-10.	2.1	6
147	Influence factor analysis of performance parameter for a strut/cavity supersonic combustor. , 2015, , .		6
148	Graphical exergy analysis for a scramjet thermodynamic performance evaluation. International Journal of Exergy, 2016, 21, 136.	0.4	6
149	Sensitivity analysis of fluid properties and operating conditions on flow distribution in non-uniformly heated parallel pipes. Applied Thermal Engineering, 2018, 130, 458-465.	6.0	6
150	Experimental study and analysis of shock train self-excited oscillation in an isolator with background waves. Journal of Zhejiang University: Science A, 2020, 21, 614-635.	2.4	6
151	Aerodynamic performance enhancement of a variable-geometry dual-mode combustor designed by the method of characteristics. Aerospace Science and Technology, 2021, 108, 106353.	4.8	6
152	Flame establishment and flameholding modes spontaneous transformation in kerosene axisymmetric supersonic combustor with a plasma igniter. Aerospace Science and Technology, 2021, 119, 107080.	4.8	6
153	Friction-Compensation Control of Gas-Flow Regulation for Ducted Rockets Based on Adaptive Dither Method. Journal of Aerospace Engineering, 2013, 26, 715-720.	1.4	5
154	Minimization of classification samples for supercritical and subcritical patterns of supersonic inlet. Journal of Thermal Science, 2014, 23, 375-380.	1.9	5
155	STRUCTURAL DESIGN FOR ADAPTIVE HEAT TRANSFER ENHANCEMENT. Journal of Enhanced Heat Transfer, 2011, 18, 71-80.	1.1	5
156	Comparison Analysis between Expander Cycle and Recooling Cycle for a Scramjet. Journal of Aerospace Engineering, 2012, 25, 347-355.	1.4	3
157	Noise-Suppressed Temperature Measurement Based on Machine Learning in a Scramjet Combustor. AIAA Journal, 2021, 59, 3517-3528.	2.6	3
158	Ignition and Flame Stabilization of a Strut-Jet RBCC Combustor with Small Rocket Exhaust. Scientific World Journal, The, 2014, 2014, 1-6.	2.1	2
159	Limit protection design: A guaranteed cost control method. , 2014, , .		2
160	Effect of Dimple Depth-Diameter Ratio on the Flow and Heat Transfer Characteristics of Supercritical Hydrocarbon Fuel in Regenerative Cooling Channel. International Journal of Aerospace Engineering, 2021, 2021, 1-9.	0.9	2
161	Regulation/protection switching control for an aeroengine by using the L<inf>2</inf> bumpless transfer approach. , 2015, , .		1
162	Assessment on density discrepancy of supercritical reactive hydrocarbon fuels using the Monte-Carlo method. Acta Astronautica, 2019, 164, 345-357.	3.2	1

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163	Numerical Investigation on Performance of Axisymmetric Variable Geometry Scramjet Combustor Equipped with Strut Flame Holder. Combustion Science and Technology, 0, , 1-25.	2.3	1
164	An integrated data compression scheme using process monitoring and lifting wavelet transform. , 2008, , .		0
165	Fast limit protection design: A terminal sliding mode control method. , 2014, , .		0
166	Simulation study on modeling for design parameters analysis of free-piston tunnels. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 2330-2342.	1.3	0
167	Interaction mechanism between shock waves and supersonic film cooling with cracking reaction. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 908-923.	1.3	0