

# Wen Bao

## List of Publications by Year in descending order

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167  
papers

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citations

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167  
docs citations

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times ranked

1096  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent research progress on airbreathing aero-engine control algorithm. Propulsion and Power Research, 2022, 11, 1-57.	2.0	29
2	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.	3.0	7
3	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.	4.5	8
4	Instability of shock train behaviour with incident shocks. Journal of Fluid Mechanics, 2021, 907, .	1.4	11
5	Research on combustion performance optimization in scramjet combustor with strut/wall combined fuel injection scheme. Aerospace Science and Technology, 2021, 109, 106376.	2.5	7
6	Aerodynamic performance enhancement of a variable-geometry dual-mode combustor designed by the method of characteristics. Aerospace Science and Technology, 2021, 108, 106353.	2.5	6
7	Research on the operating boundary of the dual mode scramjet with a constant area combustor through thermodynamic cycle analysis. Energy, 2021, 216, 119271.	4.5	9
8	Parametric numerical analysis on the interaction between combustion and hydrocarbon fueled supersonic film cooling. Aerospace Science and Technology, 2021, 111, 106535.	2.5	8
9	Effects of shock waves interaction on hydrocarbon fueled supersonic film cooling with combustion. Aerospace Science and Technology, 2021, 113, 106693.	2.5	13
10	Data-driven super-resolution reconstruction of supersonic flow field by convolutional neural networks. AIP Advances, 2021, 11, .	0.6	18
11	Noise-Suppressed Temperature Measurement Based on Machine Learning in a Scramjet Combustor. AIAA Journal, 2021, 59, 3517-3528.	1.5	3
12	Flame establishment and flameholding modes spontaneous transformation in kerosene axisymmetric supersonic combustor with a plasma igniter. Aerospace Science and Technology, 2021, 119, 107080.	2.5	6
13	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.	0.5	2
14	Flame Interaction Characteristics in Scramjet Combustor Equipped with Strut/Wall Combined Fuel Injectors. Combustion Science and Technology, 2020, 192, 1863-1886.	1.2	20
15	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.	0.7	0
16	Analysis of the maximum flight Mach number of hydrocarbon-fueled scramjet engines under the flight cruising constraint and the combustor cooling requirement. Aerospace Science and Technology, 2020, 98, 105594.	2.5	37
17	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.	1.3	6
18	Effect of enhanced heat transfer structures on the chemical recuperation process of advanced aero-engine. Energy, 2020, 211, 118580.	4.5	20

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19	Research progress on active thermal protection for hypersonic vehicles. <i>Progress in Aerospace Sciences</i> , 2020, 119, 100646.	6.3	106
20	Effects of combustion on supersonic film cooling using gaseous hydrocarbon fuel as coolant. <i>Aerospace Science and Technology</i> , 2020, 106, 106202.	2.5	22
21	Experimental study on the forced oscillation of shock train in an isolator with background waves. <i>Aerospace Science and Technology</i> , 2020, 106, 106129.	2.5	25
22	Flowing residence characteristics in a dual-mode scramjet combustor equipped with strut flame holder. <i>Aerospace Science and Technology</i> , 2020, 99, 105718.	2.5	20
23	Effects of cracking reaction on supersonic film cooling using gaseous hydrocarbon fuel as coolant. <i>Applied Thermal Engineering</i> , 2020, 171, 115134.	3.0	20
24	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.	4.5	39
25	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.	2.5	35
26	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.	2.5	14
27	Effect of geometry parameters on the hydrocarbon fuel flow rate distribution in pyrolysis zone of SCRamjet cooling channels. <i>International Journal of Heat and Mass Transfer</i> , 2019, 141, 1114-1130.	2.5	24
28	Assessment on density discrepancy of supercritical reactive hydrocarbon fuels using the Monte-Carlo method. <i>Acta Astronautica</i> , 2019, 164, 345-357.	1.7	1
29	Performance improvement of gaseous hydrocarbon fuel driven thermal power generation systems for hypersonic vehicles. <i>Energy Conversion and Management</i> , 2019, 199, 111949.	4.4	19
30	Flame oscillation characteristics in a kerosene fueled dual mode combustor equipped with thin strut flameholder. <i>Acta Astronautica</i> , 2019, 161, 222-233.	1.7	35
31	Ignition characteristics in a thin strut-equipped dual mode combustor fueled with liquid kerosene. <i>Acta Astronautica</i> , 2019, 161, 125-138.	1.7	34
32	Multi-objective coordinated control of regeneratively-cooled scramjet engine with two-stage kerosene injection. <i>Aerospace Science and Technology</i> , 2019, 90, 59-69.	2.5	13
33	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.	2.5	32
34	Performance assessment of an integrated power generation and refrigeration system on hypersonic vehicles. <i>Aerospace Science and Technology</i> , 2019, 89, 192-203.	2.5	21
35	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.	2.5	29
36	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.	2.5	18

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37	Control-oriented unsteady one-dimensional model for a hydrocarbon regeneratively-cooled scramjet engine. <i>Aerospace Science and Technology</i> , 2019, 85, 158-170.	2.5	29
38	Investigations on flame liftoff characteristics in liquid-kerosene fueled supersonic combustor equipped with thin strut. <i>Aerospace Science and Technology</i> , 2019, 84, 686-697.	2.5	60
39	Buzz evolution process investigation of a two-ramp inlet with translating cowl. <i>Aerospace Science and Technology</i> , 2019, 84, 712-723.	2.5	18
40	Event-triggered and guaranteed cost finite-time $H_\infty$ control for uncertain switched linear systems. <i>Optimal Control Applications and Methods</i> , 2018, 39, 1337-1353.	1.3	18
41	Effect of continuous Mach number variation of incoming flow on ram-scram transition in a dual-mode combustor. <i>Aerospace Science and Technology</i> , 2018, 76, 433-441.	2.5	21
42	Performance evaluation of regenerative cooling/film cooling for hydrocarbon fueled scramjet engine. <i>Acta Astronautica</i> , 2018, 148, 57-68.	1.7	34
43	Experimental and theoretical investigation of power generation scheme driven by thermal cracked gaseous hydrocarbon fuel for hypersonic vehicle. <i>Energy Conversion and Management</i> , 2018, 165, 334-343.	4.4	48
44	Local and global flame characteristics in a liquid kerosene fueled supersonic combustor equipped with a thin strut. <i>Aerospace Science and Technology</i> , 2018, 76, 49-57.	2.5	42
45	The flow rate distribution of hydrocarbon fuel in parallel channels with different cross section shapes. <i>Applied Thermal Engineering</i> , 2018, 137, 173-183.	3.0	37
46	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.	2.5	37
47	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.	2.5	27
48	Unstart/restart hysteresis characteristics analysis of an over-under TBCC inlet caused by backpressure and splitter. <i>Aerospace Science and Technology</i> , 2018, 72, 418-425.	2.5	43
49	Sensitivity analysis of fluid properties and operating conditions on flow distribution in non-uniformly heated parallel pipes. <i>Applied Thermal Engineering</i> , 2018, 130, 458-465.	3.0	6
50	Performance assessment of multi-stage thermoelectric generators on hypersonic vehicles at a large temperature difference. <i>Applied Thermal Engineering</i> , 2018, 130, 1598-1609.	3.0	41
51	Oscillation of the shock train in an isolator with incident shocks. <i>Physics of Fluids</i> , 2018, 30, .	1.6	63
52	Control-oriented modeling and real-time simulation method for a dual-mode scramjet combustor. <i>Acta Astronautica</i> , 2018, 153, 82-94.	1.7	14
53	Research progress on strut-equipped supersonic combustors for scramjet application. <i>Progress in Aerospace Sciences</i> , 2018, 103, 1-30.	6.3	149
54	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, .	1.2	32

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55	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.	1.7	21
56	Mathematical modeling and characteristic analysis for over-under turbine based combined cycle engine. <i>Acta Astronautica</i> , 2018, 148, 141-152.	1.7	28
57	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.	3.0	32
58	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.	3.4	20
59	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.	3.8	26
60	Investigation of performance and mode transition in a variable divergence ratio dual-mode combustor. <i>Aerospace Science and Technology</i> , 2018, 80, 496-507.	2.5	18
61	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.	2.5	23
62	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.	2.5	18
63	Effect of channel aspect ratio on chemical recuperation process in advanced aeroengines. <i>Energy</i> , 2017, 123, 9-19.	4.5	57
64	Effect of heat release on movement characteristics of shock train in an isolator. <i>Acta Astronautica</i> , 2017, 133, 185-194.	1.7	18
65	Numerical and experimental investigation of improving combustion performance of variable geometry dual-mode combustor. <i>Aerospace Science and Technology</i> , 2017, 64, 213-222.	2.5	41
66	Thermodynamic analysis for recuperation in a scramjet nozzle with wall cooling. <i>Applied Thermal Engineering</i> , 2017, 121, 153-162.	3.0	11
67	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.	2.5	26
68	Pressure rising slope variation accompanying with combustion mode transition in a dual-mode combustor. <i>Aerospace Science and Technology</i> , 2017, 68, 370-379.	2.5	25
69	Flow field characteristics analysis and combustion modes classification for a strut/cavity dual-mode combustor. <i>Acta Astronautica</i> , 2017, 137, 44-51.	1.7	43
70	Experimental and numerical investigation on hysteresis characteristics and formation mechanism for a variable geometry dual-mode combustor. <i>Aerospace Science and Technology</i> , 2017, 67, 96-104.	2.5	44
71	Recent research progress on unstart mechanism, detection and control of hypersonic inlet. <i>Progress in Aerospace Sciences</i> , 2017, 89, 1-22.	6.3	175
72	Event-triggered robust $H_\infty$ control for uncertain switched linear systems. <i>International Journal of Systems Science</i> , 2017, 48, 3172-3185.	3.7	37

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73	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.	4.5	38
74	Investigation of flame establishment and stabilization mechanism in a kerosene fueled supersonic combustor equipped with a thin strut. <i>Aerospace Science and Technology</i> , 2017, 70, 152-160.	2.5	63
75	Performance Evaluation of Waste Heat Recovery Systems Based on Semiconductor Thermoelectric Generators for Hypersonic Vehicles. <i>Energies</i> , 2017, 10, 570.	1.6	18
76	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.	0.8	17
77	Quasi-One-Dimensional Model of Scramjet Combustor Coupled with Regenerative Cooling. <i>Journal of Propulsion and Power</i> , 2016, 32, 687-697.	1.3	67
78	Parametric numerical analysis of regenerative cooling in hydrogen fueled scramjet engines. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 10942-10960.	3.8	46
79	A control method for flow rate distribution of cracked hydrocarbon fuel in parallel channels. <i>Applied Thermal Engineering</i> , 2016, 105, 531-536.	3.0	30
80	Thermal Behavior Inside Scramjet Cooling Channels at Different Channel Aspect Ratios. <i>Journal of Propulsion and Power</i> , 2016, 32, 57-70.	1.3	68
81	Analysis of energy cascade utilization in a chemically recuperated scramjet with indirect combustion. <i>Energy</i> , 2016, 114, 1100-1106.	4.5	21
82	Graphical exergy analysis for a scramjet thermodynamic performance evaluation. <i>International Journal of Exergy</i> , 2016, 21, 136.	0.2	6
83	New Method for Solving One-Dimensional Transonic Reacting Flows of a Scramjet Combustor. <i>Journal of Propulsion and Power</i> , 2016, 32, 1403-1412.	1.3	10
84	Thermal behavior in the cracking reaction zone of scramjet cooling channels at different channel aspect ratios. <i>Acta Astronautica</i> , 2016, 127, 41-56.	1.7	74
85	Simulation study on modeling for design parameters analysis of free-piston tunnels. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2016, 230, 2330-2342.	0.7	0
86	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.	1.7	33
87	Bumpless switching control for switched systems with partial actuator failures. <i>International Journal of Systems Science</i> , 2016, 47, 3554-3560.	3.7	9
88	Robust asynchronous bumpless transfer for switched linear systems. <i>International Journal of Control</i> , 2015, 88, 2433-2443.	1.2	20
89	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.	0.7	18
90	Regulation/protection switching control for an aeroengine by using the bumpless transfer approach. , 2015, , .		1

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91	Modeling and analysis of heat and mass transfers of supercritical hydrocarbon fuel with pyrolysis in mini-channel. <i>International Journal of Heat and Mass Transfer</i> , 2015, 91, 520-531.	2.5	71
92	Maximum thrust for the rocket-ejector mode of the hydrogen fueled rocket-based combined cycle engine. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 3771-3776.	3.8	46
93	Nonlinear characteristics and detection of combustion modes for a hydrocarbon fueled scramjet. <i>Acta Astronautica</i> , 2015, 110, 89-98.	1.7	31
94	State-Based Switching Control Strategy with Application to Aeroengine Safety Protection. <i>Journal of Aerospace Engineering</i> , 2015, 28, .	0.8	30
95	Unstart Margin Characterization Method of Scramjet Considering Isolator-Combustor Interactions. <i>AIAA Journal</i> , 2015, 53, 493-500.	1.5	37
96	Switching control of thrust regulation and inlet unstart protection for scramjet engine based on strategy of integral initial values resetting. <i>Aerospace Science and Technology</i> , 2015, 45, 484-489.	2.5	12
97	Indirect measurement method of inner wall temperature of scramjet with a state observer. <i>Acta Astronautica</i> , 2015, 115, 330-337.	1.7	21
98	Effect of Fuel Injection Allocation on the Combustion Characteristics of a Cavity-Strut Model Scramjet. <i>Journal of Aerospace Engineering</i> , 2015, 28, .	0.8	17
99	Real-time unstart prediction and detection of hypersonic inlet based on recursive Fourier transform. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2015, 229, 772-778.	0.7	12
100	Scramjet Isolator Shock-Train Leading-Edge Position Modeling Based on Equilibrium Manifold. <i>Journal of Aerospace Engineering</i> , 2015, 28, .	0.8	9
101	Experimental study on measurement and calculation of heat flux in supersonic combustor of scramjet. <i>Journal of Thermal Science</i> , 2015, 24, 254-259.	0.9	13
102	Thermodynamic analysis on optimum performance of scramjet engine at high Mach numbers. <i>Energy</i> , 2015, 90, 1046-1054.	4.5	54
103	Influence factor analysis of performance parameter for a strut/cavity supersonic combustor. , 2015, , .		6
104	Flow rate distribution of cracked hydrocarbon fuel in parallel pipes. <i>Fuel</i> , 2015, 161, 105-112.	3.4	35
105	Design and heat transfer characteristics analysis of combined active and passive thermal protection system for hydrogen fueled scramjet. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 675-682.	3.8	40
106	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.	2.5	20
107	Ignition and Flame Stabilization of a Strut-Jet RBCC Combustor with Small Rocket Exhaust. <i>Scientific World Journal</i> , The, 2014, 2014, 1-6.	0.8	2
108	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.	0.7	18

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109	Limit protection design: A guaranteed cost control method. , 2014, , .		2
110	Ignition Characteristics of a Liquid-Kerosene-Fueled Scramjet during Air Throttling Combined with a Gas Generator. Journal of Aerospace Engineering, 2014, 27, 06014003.	0.8	13
111	A mechanism of combustion mode transition for hydrogen fueled scramjet. International Journal of Hydrogen Energy, 2014, 39, 9791-9797.	3.8	37
112	Experimental Investigation of Hysteresis Phenomenon for Scramjet Engine. AIAA Journal, 2014, 52, 447-451.	1.5	28
113	Thermal management of fuel in advanced aeroengine in view of chemical recuperation. Energy, 2014, 77, 201-211.	4.5	48
114	Performance evaluation of power generation system with fuel vapor turbine onboard hydrocarbon fueled scramjets. Energy, 2014, 77, 732-741.	4.5	62
115	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.	0.7	8
116	Fast limit protection design: A terminal sliding mode control method. , 2014, , .		0
117	Thermodynamic analysis on specific thrust of the hydrocarbon fueled scramjet. Energy, 2014, 76, 552-558.	4.5	39
118	Relative Time scale analysis for pressure propagation during ignition process of a scramjet. Aerospace Science and Technology, 2014, 39, 206-210.	2.5	7
119	Experimental study of a flush wall scramjet combustor equipped with strut/wall fuel injection. Acta Astronautica, 2014, 104, 84-90.	1.7	45
120	Flame Transition in Dual-Mode Scramjet Combustor with Oxygen Piloted Ignition. Journal of Propulsion and Power, 2014, 30, 1103-1107.	1.3	35
121	Minimization of classification samples for supercritical and subcritical patterns of supersonic inlet. Journal of Thermal Science, 2014, 23, 375-380.	0.9	5
122	Numerical analysis of flowing cracked hydrocarbon fuel inside cooling channels in view of thermal management. Energy, 2014, 67, 149-161.	4.5	92
123	Numerical investigation of the impact of asymmetric fuel injection on shock train characteristics. Acta Astronautica, 2014, 105, 66-74.	1.7	27
124	Coordinated control for regulation/protection mode-switching of ducted rockets. Acta Astronautica, 2014, 98, 138-146.	1.7	7
125	Experimental study on effect of pressure on heat sink of n-decane. Chemical Engineering Journal, 2014, 243, 127-136.	6.6	102
126	Effect of structural factors on maximum aerodynamic heat flux of strut leading surface. Applied Thermal Engineering, 2014, 69, 188-198.	3.0	22



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127	Backpressure unstart detection for a scramjet inlet based on information fusion. Acta Astronautica, 2014, 95, 1-14.	1.7	27
128	Numerical Analysis of Supersonic Film Cooling in Supersonic Flow in Hypersonic Inlet with Isolator. Advances in Mechanical Engineering, 2014, 6, 468790.	0.8	8
129	Richtmyer-Meshkov Instability Induced Mixing Enhancement in the Scramjet Combustor with a Central Strut. Advances in Mechanical Engineering, 2014, 6, 614189.	0.8	29
130	Combustion stabilization based on a center flame strut in a liquid kerosene fueled supersonic combustor. Journal of Thermal Science, 2013, 22, 497-504.	0.9	23
131	Analysis of combustion mode and operating route for hydrogen fueled scramjet engine. International Journal of Hydrogen Energy, 2013, 38, 5928-5935.	3.8	50
132	Experimental study on chemical recuperation process of endothermic hydrocarbon fuel. Fuel, 2013, 108, 445-450.	3.4	25
133	Experimental study on the performance of recooling cycle of hydrocarbon fueled scramjet engine. Fuel, 2013, 108, 334-340.	3.4	23
134	Thermal management method of fuel in advanced aeroengines. Energy, 2013, 49, 459-468.	4.5	109
135	Multi-objective regulating and protecting control for ducted rocket using a bumpless transfer scheme. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2013, 227, 311-325.	0.7	18
136	Friction-Compensation Control of Gas-Flow Regulation for Ducted Rockets Based on Adaptive Dither Method. Journal of Aerospace Engineering, 2013, 26, 715-720.	0.8	5
137	Robust Bumpless Transfer Design Using Adaptive Sliding Mode Approach. Asian Journal of Control, 2013, 15, 1785-1793.	1.9	11
138	Dynamic Characteristics of Combustion Mode Transitions in a Strut-Based Scramjet Combustor Model. Journal of Propulsion and Power, 2013, 29, 1244-1248.	1.3	59
139	Combustion characteristic using O <sub>2</sub> -pilot strut in a liquid-kerosene-fueled strut-based dual-mode scramjet. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2013, 227, 1870-1880.	0.7	27
140	Unstart Coupling Mechanism Analysis of Multiple-Modules Hypersonic Inlet. Scientific World Journal, The, 2013, 2013, 1-10.	0.8	6
141	Comparison During a Scramjet Regenerative Cooling and Recooling Cycle. Journal of Thermophysics and Heat Transfer, 2012, 26, 612-618.	0.9	12
142	Off-Design Condition Cooling Capacity Analysis of Recooling Cycle for a Scramjet. Journal of Propulsion and Power, 2012, 28, 1285-1292.	1.3	14
143	Novel Oscillatory Patterns of Hypersonic Inlet Buzz. Journal of Propulsion and Power, 2012, 28, 1214-1221.	1.3	65
144	Mathematical modeling and rapid recognition of hypersonic inlet buzz. Aerospace Science and Technology, 2012, 23, 172-178.	2.5	28

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145	Comparison Analysis between Expander Cycle and Recooling Cycle for a Scramjet. Journal of Aerospace Engineering, 2012, 25, 347-355.	0.8	3
146	Effect of recooling cycle on performance of hydrogen fueled scramjet. International Journal of Hydrogen Energy, 2012, 37, 18528-18536.	3.8	12
147	Thermodynamic analysis for a chemically recuperated scramjet. Science China Technological Sciences, 2012, 55, 3204-3212.	2.0	16
148	Efficient utilization of heat sink of hydrocarbon fuel for regeneratively cooled scramjet. Applied Thermal Engineering, 2012, 33-34, 208-218.	3.0	81
149	Power generation and heat sink improvement characteristics of recooling cycle for thermal cracked hydrocarbon fueled scramjet. Science China Technological Sciences, 2011, 54, 955-963.	2.0	16
150	Thrust control system design of ducted rockets. Acta Astronautica, 2011, 69, 86-95.	1.7	23
151	STRUCTURAL DESIGN FOR ADAPTIVE HEAT TRANSFER ENHANCEMENT. Journal of Enhanced Heat Transfer, 2011, 18, 71-80.	0.5	5
152	Effects of boundary-layer bleeding on unstart oscillatory flow of hypersonic inlets. Aeronautical Journal, 2010, 114, 445-450.	1.1	8
153	Thermodynamic analysis and parametric study of a closed Brayton cycle thermal management system for scramjet. International Journal of Hydrogen Energy, 2010, 35, 356-364.	3.8	49
154	Flow and heat transfer characteristics in fuel cooling channels of a recooling cycle. International Journal of Hydrogen Energy, 2010, 35, 10589-10598.	3.8	27
155	Unstart margin control of hypersonic inlets. Acta Astronautica, 2010, 66, 78-87.	1.7	32
156	Thermodynamic optimization for a scramjet with Re-cooled Cycle. Acta Astronautica, 2010, 66, 1449-1457.	1.7	14
157	Switching control of thrust regulation and inlet buzz protection for ducted rocket. Acta Astronautica, 2010, 67, 764-773.	1.7	69
158	Performance cycle analysis of an open cooling cycle for a scramjet. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2009, 223, 599-607.	0.7	29
159	Performance limit analysis of Recooled Cycle for regenerative cooling systems. Energy Conversion and Management, 2009, 50, 1908-1914.	4.4	19
160	Operation pattern classification of hypersonic inlets. Acta Astronautica, 2009, 65, 457-466.	1.7	31
161	Catastrophe, hysteresis and bifurcation of mode transition in scramjet engines and its model. Science in China Series D: Earth Sciences, 2009, 52, 1543-1550.	0.9	14
162	Parametric performance analysis of multiple Re-Cooled Cycle for hydrogen fueled scramjet. International Journal of Hydrogen Energy, 2009, 34, 7334-7341.	3.8	51

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163	Effects of wall cooling on performance parameters of hypersonic inlets. Acta Astronautica, 2009, 65, 467-476.	1.7	30
164	Influence of magnetic fluids on the dynamic characteristics of a hydraulic servo-valve torque motor. Mechanical Systems and Signal Processing, 2008, 22, 1008-1015.	4.4	32
165	An integrated data compression scheme using process monitoring and lifting wavelet transform. , 2008, , .		0
166	Optimal Classification Criteria of Hypersonic Inlet Start/Unstart. Journal of Propulsion and Power, 2007, 23, 310-316.	1.3	42
167	Numerical Investigation on Performance of Axisymmetric Variable Geometry Scramjet Combustor Equipped with Strut Flame Holder. Combustion Science and Technology, 0, , 1-25.	1.2	1