

Philippe Guillemain

List of Publications by Year in descending order

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15
papers

131
citations

1478505

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1199594

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17
docs citations

17
times ranked

97
citing authors

#	ARTICLE	IF	CITATIONS
1	The dual influence of the reed resonance frequency and tonehole lattice cutoff frequency on sound production and radiation of a clarinet-like instrument. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 3780-3791.	1.1	2
2	Multistability of saxophone oscillation regimes and its influence on sound production. <i>Acta Acustica</i> , 2021, 5, 33.	1.0	4
3	Multiple two-step oscillation regimes produced by the alto saxophone. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 2406-2413.	1.1	7
4	Woodwind instrument design optimization based on impedance characteristics with geometric constraints. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 2864-2877.	1.1	3
5	The link between the tonehole lattice cutoff frequency and clarinet sound radiation: a quantitative study. <i>Acta Acustica</i> , 2020, 4, 18.	1.0	4
6	On the tonehole lattice cutoff frequency of conical resonators: applications to the saxophone. <i>Acta Acustica</i> , 2020, 4, 13.	1.0	6
7	Role of the Resonator Geometry on the Pressure Spectrum of Reed Conical Instruments. <i>Acta Acustica United With Acustica</i> , 2019, 105, 368-380.	0.8	3
8	Influence of the "Ghost Reed" Simplification on the Bifurcation Diagram of a Saxophone Model. <i>Acta Acustica United With Acustica</i> , 2019, 105, 1291-1294.	0.8	10
9	Numerical Optimization of a Bicylindrical Resonator Impedance: Differences and Common Features Between a Saxophone Resonator and a Bicylindrical Resonator. <i>Acta Acustica United With Acustica</i> , 2019, 105, 1217-1227.	0.8	2
10	Predicting playing frequencies for clarinets: A comparison between numerical simulations and simplified analytical formulas. <i>Journal of the Acoustical Society of America</i> , 2015, 138, 2770-2781.	1.1	12
11	The effect of the size of the opening on the acoustic power radiated by a reed woodwind instrument. <i>Journal of Sound and Vibration</i> , 2015, 343, 166-175.	3.9	2
12	From Clarinet Control to Timbre Perception. <i>Acta Acustica United With Acustica</i> , 2010, 96, 678-689.	0.8	24
13	Some roles of the vocal tract in clarinet breath attacks: Natural sounds analysis and model-based synthesis. <i>Journal of the Acoustical Society of America</i> , 2007, 121, 2396-2406.	1.1	16
14	Dynamic Simulation of Note Transitions in Reed Instruments: Application to the Clarinet and the Saxophone. <i>Lecture Notes in Computer Science</i> , 2006, , 1-23.	1.3	1
15	Real-time synthesis of clarinet-like instruments using digital impedance models. <i>Journal of the Acoustical Society of America</i> , 2005, 118, 483-494.	1.1	35