Philippe Guillemain

List of Publications by Year
in descending order

15	131	1478505 6	1199594 12
papers	citations	h-index	g-index

17	17	17	97
all docs	docs citations	times ranked	citing authors

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