

Justin G Chen

List of Publications by Year in descending order

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13
papers

878
citations

840776

11
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

585
citing authors

#	ARTICLE	IF	CITATIONS
1	Modal identification of simple structures with high-speed video using motion magnification. Journal of Sound and Vibration, 2015, 345, 58-71.	3.9	381
2	Video Camera-Based Vibration Measurement for Civil Infrastructure Applications. Journal of Infrastructure Systems, 2017, 23, .	1.8	130
3	Eulerian video magnification and analysis. Communications of the ACM, 2016, 60, 87-95.	4.5	79
4	Camera-Based Vibration Measurement of the World War I Memorial Bridge in Portsmouth, New Hampshire. Journal of Structural Engineering, 2018, 144, .	3.4	59
5	Visual Vibrometry: Estimating Material Properties from Small Motions in Video. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 732-745.	13.9	56
6	Motion microscopy for visualizing and quantifying small motions. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11639-11644.	7.1	55
7	Structural Modal Identification Through High Speed Camera Video: Motion Magnification. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 191-197.	0.5	31
8	Operational and defect parameters concerning the acoustic-laser vibrometry method for FRP-reinforced concrete. NDT and E International, 2015, 71, 43-53.	3.7	26
9	Image-space modal bases for plausible manipulation of objects in video. ACM Transactions on Graphics, 2015, 34, 1-7.	7.2	23
10	A symmetry measure for damage detection with mode shapes. Journal of Sound and Vibration, 2017, 408, 123-137.	3.9	16
11	Developments with Motion Magnification for Structural Modal Identification Through Camera Video. Conference Proceedings of the Society for Experimental Mechanics, 2015, , 49-57.	0.5	12
12	Pairwise graphical models for structural health monitoring with dense sensor arrays. Mechanical Systems and Signal Processing, 2017, 93, 578-592.	8.0	7
13	Corrosion assessment of ductile iron pipes using high-speed camera technique: Microstructural validation. NDT and E International, 2020, 116, 102362.	3.7	3