

Philip A Chou

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,712
citations

840776

11
h-index

1125743

13
g-index

19
all docs

19
docs citations

19
times ranked

865
citing authors

#	ARTICLE	IF	CITATIONS
1	Holoportation. , 2016, , .		428
2	Emerging MPEG Standards for Point Cloud Compression. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2019, 9, 133-148.	3.6	408
3	Compression of 3D Point Clouds Using a Region-Adaptive Hierarchical Transform. IEEE Transactions on Image Processing, 2016, 25, 3947-3956.	9.8	207
4	Graph-Based Compression of Dynamic 3D Point Cloud Sequences. IEEE Transactions on Image Processing, 2016, 25, 1765-1778.	9.8	192
5	Motion-Compensated Compression of Dynamic Voxelized Point Clouds. IEEE Transactions on Image Processing, 2017, 26, 3886-3895.	9.8	99
6	Nonlinear Transform Coding. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 339-353.	10.8	75
7	Rate-Utility Optimized Streaming of Volumetric Media for Augmented Reality. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2019, 9, 149-162.	3.6	63
8	Viewport: A Distributed, Immersive Teleconferencing System with Infrared Dot Pattern. IEEE MultiMedia, 2013, 20, 17-27.	1.7	56
9	A Volumetric Approach to Point Cloud Compressionâ€™Part I: Attribute Compression. IEEE Transactions on Image Processing, 2020, 29, 2203-2216.	9.8	40
10	A Volumetric Approach to Point Cloud Compressionâ€™Part II: Geometry Compression. IEEE Transactions on Image Processing, 2020, 29, 2217-2229.	9.8	40
11	Deep Implicit Volume Compression. , 2020, , .		26
12	Region Adaptive Graph Fourier Transform for 3D Point Clouds. , 2020, , .		20
13	Compression of Plenoptic Point Clouds. IEEE Transactions on Image Processing, 2019, 28, 1419-1427.	9.8	15
14	Surface Light Field Compression Using a Point Cloud Codec. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2019, 9, 163-176.	3.6	13
15	Integer Alternative for the Region-Adaptive Hierarchical Transform. IEEE Signal Processing Letters, 2019, 26, 1369-1372.	3.6	12
16	Sandwiched Image Compression: Wrapping Neural Networks Around A Standard Codec. , 2021, , .		7
17	Point Cloud Compression Incorporating Region of Interest Coding. , 2019, , .		6
18	Set Partitioning in Hierarchical Trees for Point Cloud Attribute Compression. IEEE Signal Processing Letters, 2021, 28, 1903-1907.	3.6	3

#	ARTICLE	IF	CITATIONS
19	Saliency Maps for Point Clouds. , 2020, , .		2