

Jun-Dong Cho

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/964605/publications.pdf>

Version: 2024-02-01

155
papers

1,275
citations

687220

13
h-index

477173

29
g-index

160
all docs

160
docs citations

160
times ranked

1234
citing authors

#	ARTICLE	IF	CITATIONS
1	AI Ekphrasis: Multi-Modal Learning with Foundation Models for Fine-Grained Poetry Retrieval. Electronics (Switzerland), 2022, 11, 1275.	1.8	1
2	Tactile colour pictogram to improve artwork appreciation of people with visual impairments. Color Research and Application, 2021, 46, 103-116.	0.8	12
3	Accessible Visual Artworks for Blind and Visually Impaired People: Comparing a Multimodal Approach with Tactile Graphics. Electronics (Switzerland), 2021, 10, 297.	1.8	26
4	A Study of Multi-Sensory Experience and Color Recognition in Visual Arts Appreciation of People with Visual Impairment. Electronics (Switzerland), 2021, 10, 470.	1.8	23
5	ColorWatch: Color Perceptual Spatial Tactile Interface for People with Visual Impairments. Electronics (Switzerland), 2021, 10, 596.	1.8	6
6	3D Sound Coding Color for the Visually Impaired. Electronics (Switzerland), 2021, 10, 1037.	1.8	3
7	ColorPoetry: Multi-Sensory Experience of Color with Poetry in Visual Arts Appreciation of Persons with Visual Impairment. Electronics (Switzerland), 2021, 10, 1064.	1.8	4
8	Construction of a Soundscape-Based Media Art Exhibition to Improve User Appreciation Experience by Using Deep Neural Networks. Electronics (Switzerland), 2021, 10, 1170.	1.8	8
9	Multi-Sensory Color Expression with Sound and Temperature in Visual Arts Appreciation for People with Visual Impairment. Electronics (Switzerland), 2021, 10, 1336.	1.8	3
10	Multi-Sensory Color Code Based on Sound and Scent for Visual Art Appreciation. Electronics (Switzerland), 2021, 10, 1696.	1.8	6
11	Multi-Sensory Interaction for Blind and Visually Impaired People. Electronics (Switzerland), 2021, 10, 3170.	1.8	0
12	Thermal Interaction for Improving Tactile Artwork Depth and Color-Depth Appreciation for Visually Impaired People. Electronics (Switzerland), 2020, 9, 1939.	1.8	9
13	Sound Coding Color to Improve Artwork Appreciation by People with Visual Impairments. Electronics (Switzerland), 2020, 9, 1981.	1.8	13
14	Exploring Thermal Interaction for Visual Art Color Appreciation for the Visually Impaired People. , 2020, , .		2
15	Indoor Positioning System: Improved deep learning approach based on LSTM and multi-stage activity classification. , 2020, , .		2
16	Please Touch Color: Tactile-Color Texture Design for The Visually Impaired. , 2020, , .		11
17	A Study on Using Color-Concept Directed Scent to Allow Visually Impaired People to Appreciate Paintings. Korean Society for Emotion and Sensibility, 2020, 23, 73-92.	0.0	2
18	ColorWatch: Color-Tactile Interpretation to Improve Color Perception and Accessibility for People with Visual Impairments. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Flexible heterogeneous integration of PZT film by controlled spalling technology. Journal of Alloys and Compounds, 2019, 807, 151696.	2.8	10
20	Hardware-accelerated Fast Lossless Compression Based on LZ4 Algorithm. , 2019, , .		3
21	Indoor Positioning System: A New Approach Based on LSTM and Two Stage Activity Classification. Electronics (Switzerland), 2019, 8, 375.	1.8	28
22	Exploring Art with a Voice Controlled Multimodal Guide for Blind People. , 2019, , .		17
23	Controlled spalling and flexible integration of PZT film based on LaNiO3 buffer layer. Ceramics International, 2019, 45, 6373-6379.	2.3	12
24	High-Performance PZT-Based Stretchable Piezoelectric Nanogenerator. ACS Sustainable Chemistry and Engineering, 2019, 7, 979-985.	3.2	151
25	Two-dimensional triboelectric-electromagnetic hybrid nanogenerator for wave energy harvesting. Nano Energy, 2019, 58, 147-157.	8.2	54
26	Core-shell coaxially structured triboelectric nanogenerator for energy harvesting and motion sensing. RSC Advances, 2018, 8, 2950-2957.	1.7	67
27	Triboelectric-piezoelectric-electromagnetic hybrid nanogenerator for high-efficient vibration energy harvesting and self-powered wireless monitoring system. Nano Energy, 2018, 43, 326-339.	8.2	160
28	Designing Conversational Voice User Interface for Improving Intimacy of Shared Invehicle. , 2018, , .		3
29	Moonglow. , 2018, , .		2
30	Food Intake Detection and Classification Using a Necklace-Type Piezoelectric Wearable Sensor System. IEICE Transactions on Information and Systems, 2018, E101.D, 2795-2807.	0.4	15
31	D-Aquarium. , 2018, , .		0
32	An Interactive Multimodal Guide to Improve Art Accessibility for Blind People. , 2018, , .		20
33	All-in-one filler-elastomer-based high-performance stretchable piezoelectric nanogenerator for kinetic energy harvesting and self-powered motion monitoring. Nano Energy, 2018, 53, 550-558.	8.2	91
34	Flexible one-structure arched triboelectric nanogenerator based on common electrode for high efficiency energy harvesting and self-powered motion sensing. AIP Advances, 2018, 8, .	0.6	7
35	Functional-power-aware Partial Gating Method for Low Power Scan-shift. Journal of Semiconductor Technology and Science, 2018, 18, 125-129.	0.1	0
36	H-Slate. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
37	Slate master. , 2017, , .		2
38	D-TOX. , 2017, , .		1
39	Stretchertainment. , 2017, , .		1
40	Quantifying Children's Engagement with Educational Tangible Blocks. , 2017, , .		5
41	Fam-On. , 2017, , .		0
42	EYE DEAR. , 2017, , .		2
43	Home Talky. , 2017, , .		0
44	A Portable System of Visual Fatigue Evaluation for Stereoscopic Display. Lecture Notes in Computer Science, 2017, , 296-306.	1.0	0
45	Design and performance analysis of a cost-effective proxy-LMA mobility management scheme in IP-based mobile networks with global mobility support. International Journal of Ad Hoc and Ubiquitous Computing, 2016, 21, 273.	0.3	7
46	Hide and Seek. , 2016, , .		0
47	DenTeach. , 2016, , .		6
48	An eating speed guide system using a wristband and tabletop unit. , 2016, , .		4
49	CIRCLE ROUND; Flexible Communication using Multiple Access at Face-to-Face Meeting. , 2016, , .		0
50	Clothes radar: A crowdsourcing application collecting and displaying user clothes data. , 2016, , .		0
51	On Cross-Layer Based Handoff Scheme in Heterogeneous Mobile Networks. Lecture Notes in Computer Science, 2016, , 482-493.	1.0	4
52	On Multicasting-Based Fast Inter-Domain Handover Scheme in Proxy Mobile IPv6 Networks. Lecture Notes in Computer Science, 2016, , 494-505.	1.0	4
53	Interactive and Connected Tableware for Promoting Children's Vegetable-Eating and Family Interaction. , 2016, , .		16
54	<i>Slowee</i>. , 2016, , .		12

#	ARTICLE	IF	CITATIONS
55	Subway Passenger Distribution System by using CO2 Concentrations Data. , 2016, , .		0
56	Smart-rug. , 2016, , .		4
57	TakeOut. , 2016, , .		5
58	Visual fatigue measurement model based on multi-area variance in a stereoscopy. , 2016, , .		0
59	Visual fatigue measurement model based on multi-area variance in a stereoscopy. , 2016, , .		1
60	On Efficient SC-Based Soft Handoff Scheme in Proxy Mobile IPv6 Networks. Lecture Notes in Computer Science, 2016, , 251-262.	1.0	4
61	A Feedback System for the Prevention of Forward Head Posture in Sedentary Work Environments. , 2016, , .		8
62	Efficient Hardware Implementation of Real-time Rectification using Adaptively Compressed LUT. Journal of Semiconductor Technology and Science, 2016, 16, 44-57.	0.1	2
63	Effective object recognition based on CUDA. , 2015, , .		0
64	On high-computational disparity acquisition of HD image using CUDA implementation for stereo matching. , 2015, , .		1
65	Hot & tight. , 2015, , .		37
66	Random-walk mobility management scheme for sensor-based mobile networks. International Journal of Security and Networks, 2015, 10, 261.	0.1	0
67	BeuPo. , 2015, , .		5
68	A real-time rectification using an adaptive binary encoding for high-resolution video. , 2015, , .		0
69	Smart maternity clothes for visualizing fetal movement data. , 2015, , .		6
70	Designing mHealth intervention for Women in Menopausal Period. , 2015, , .		5
71	Predicting visual fatigue in 3D image viewing by adjusting the baseline positioning. , 2015, , .		0
72	Fast rotation-invariant template matching with candidate reduction using CUDA. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
73	Simple object coordination tracking based on background modeling. , 2015, , .		0
74	Detecting Fingertip Robust Scale-Invariant and Rotation Invariant with Stereo Camera. , 2015, , .		1
75	Robust-rotation recognition based on contour matching using CUDA in automation system. , 2015, , .		0
76	Better Posture Awareness through Flower-Shaped Ambient Avatar. , 2015, , .		18
77	People's Emotional Responses to a Plant's Emotional Expression. , 2015, , .		14
78	Automatically Adjusting the Speed of E-Learning Videos. , 2015, , .		4
79	Design Guideline on Location Based User Emotion Sharing Map Service. Communications in Computer and Information Science, 2015, , 514-518.	0.4	0
80	Experiment on Emotional Exchange Method through Phone Stack Game. , 2015, , .		2
81	Understanding Interactive Interface Design Requirements for the Visually Impaired. , 2015, , .		3
82	Exergame Development Using Body Composition Data for Obesity Care. , 2015, , .		3
83	SnackBreaker. , 2015, , .		15
84	Cost Analysis of Integrated HIP-PMIPv6 Handoff Scheme in Multicasting-Based Mobile Networks. Advanced Science Letters, 2015, 21, 321-327.	0.2	5
85	Preliminary Guidelines to Build a Wearable Health Monitoring System for Patients: Focusing on a Wearable Device with a Wig. Communications in Computer and Information Science, 2015, , 361-365.	0.4	0
86	Cost-Effective Proxy-LMA Mobility Management Scheme in Mobile Networks with Global Mobility Support. , 2014, , .		1
87	On mathematical modeling of hierarchical mobility management protocols. , 2014, , .		0
88	Reduction of authentication cost based on key caching for inter-MME handover support. , 2014, , .		2
89	Analytical Modeling of IP-based Hierarchical Mobility Management Protocols. , 2014, , .		0
90	A review on system level low power techniques. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
91	Logmusic. , 2014, , .		7
92	Ring Projection Transforms by using CUDA implementation for recognizing objects in automation system. , 2014, , .		0
93	On Security-Effective and Global Mobility Management for FPMIPv6 Networks. , 2014, , .		1
94	Fuzzy logic based handoff scheme for heterogeneous vehicular mobile networks. , 2014, , .		5
95	A fast region expansion labeling of connected components in binary image. , 2014, , .		4
96	Adjustment of brightness contrast for fatigue decrease in stereo image production. , 2014, , .		0
97	Seamless SPMIPv6-Based Handoff Scheme for Next-Generation Mobile Networks. , 2014, , .		1
98	Fast depth evaluation from pattern projection in conjunction with connected component labeling. , 2014, , .		0
99	A real-time rectification using an adaptive differential encoding for high-resolution video. , 2014, , .		5
100	Noise immunity improvement in the RESET signal of DDR3 SDRAM memory module. , 2013, , .		0
101	Visual fatigue measurement model in stereoscopy based on Bayesian network. Optical Engineering, 2013, 52, 083110.	0.5	5
102	A new dual asymmetric bit-line sense amplifier for low-voltage dynamic random access memory. IEICE Electronics Express, 2013, 10, 20130647-20130647.	0.3	2
103	Adaptive Sampling for ECG Detection Based on Compression Dictionary. Journal of Semiconductor Technology and Science, 2013, 13, 608-616.	0.1	6
104	Real-time digital image stabilization using motion sensors for search range reduction. , 2012, , .		1
105	Optimizing a Virtual Re-Convergence System to Reduce Visual Fatigue in Stereoscopic Camera. IEICE Transactions on Information and Systems, 2012, E95.D, 1238-1247.	0.4	3
106	Redundant-dictionary based adaptive sampling for transient ECG signal measurement. , 2012, , .		0
107	Radio-frequency system of the KIRAMS-30 cyclotron for RI mass production. Journal of the Korean Physical Society, 2012, 61, 193-196.	0.3	1
108	Dynamic search range using sparse disparity map for fast stereo matching. , 2012, , .		3

#	ARTICLE	IF	CITATIONS
109	Low Visual Fatigue Stereoscopic Auto Focus using disparity map. , 2012, , .		1
110	A search range prediction for fast stereo matching in 3-D video. , 2012, , .		0
111	A Real-time Compact Structured-light based Range Sensing System. Journal of Semiconductor Technology and Science, 2012, 12, 193-202.	0.1	13
112	A Real-Time Virtual Re-Convergence Hardware Platform. Journal of Semiconductor Technology and Science, 2012, 12, 127-138.	0.1	2
113	Noise reduction scheme of temporal and spatial filter for 3D video real-time processing. , 2011, , .		1
114	Real-time smoothing filter for three dimensional disparity map algorithm and hardware implementation. , 2011, , .		1
115	Simplified Relative Model to Measure Visual Fatigue in a Stereoscopy. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 2830-2831.	0.2	5
116	Real time rectification using differentially encoded lookup table. , 2011, , .		9
117	New Design Based Metrology for Fast Detection of Crucial Lithographic Defects. Japanese Journal of Applied Physics, 2011, 50, 06CB11.	0.8	0
118	Low Power Bus Binding Exploiting Optimal Substructure. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 332-341.	0.2	0
119	Temperature-aware binding for clock skew reduction based on switching activity balancing. , 2010, , .		0
120	Suppression of Edge Effects Based on Analytic Model for Leakage Current Reduction of Sub-40 nm DRAM Device. IEICE Transactions on Electronics, 2010, E93-C, 658-661.	0.3	0
121	A reconfigurable pipelined deblocking filter for H.264/AVC. , 2010, , .		2
122	Low Power Binding for Switching Activity Reduction Based on Table Decomposition Method. , 2010, , .		0
123	Development of a Beam Buncher for the KIRAMS-30 Cyclotron. Journal of the Korean Physical Society, 2010, 56, 1960-1963.	0.3	2
124	Implementation of a LED display system for high quality video processing. , 2009, , .		3
125	Score-based fixing guidance generation with accurate hot-spot detection method. Proceedings of SPIE, 2009, , .	0.8	1
126	Accurate Systematic Hot-Spot Scoring Method and Score-Based Fixing Guidance Generation. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2009, E92.A, 3082-3085.	0.2	0

#	ARTICLE	IF	CITATIONS
127	Partial resolution for redundant operation table. Microprocessors and Microsystems, 2008, 32, 79-94.	1.8	1
128	High speed 3D acquisition chip design for robot applications. , 2008, , .		0
129	Software implementation of TPEG decoder on a T-DMB using X-PAD. , 2008, , .		10
130	Novel area-efficient regenerator for driving long on-chip interconnects. IEICE Electronics Express, 2008, 5, 338-343.	0.3	2
131	Ultra-high density standard cell library using multi-height cell structure. Proceedings of SPIE, 2008, , .	0.8	20
132	The compensation system for the event in the fuel cell mobile phone. , 2008, , .		9
133	Verification Platform with ARM- and DSP-Based Multiprocessor Architecture for DVB-T Baseband Receivers. ETRI Journal, 2008, 30, 141-151.	1.2	1
134	On the Configurable Multiprocessor SoC Platform with Crossbar Switch. , 2006, , .		3
135	A VLSI Design of High Speed Bit-level Viterbi Decoder. , 2006, , .		1
136	An SoC-Based Context-Aware System Architecture. Lecture Notes in Computer Science, 2004, , 573-580.	1.0	2
137	Maximizing Memory Data Reuse for Lower Power Motion Estimation. VLSI Design, 2002, 14, 299-305.	0.5	0
138	Low Power Digital Multimedia Telecommunication Designs. VLSI Design, 2001, 12, 301-315.	0.5	1
139	Deep-submicron Placement Minimizing Crosstalk. VLSI Design, 2001, 12, 1-12.	0.5	0
140	Low-power design and architecture. IEEE Potentials, 2001, 20, 18-22.	0.2	3
141	Maximizing memory data reuse for lower power motion estimation. , 2000, , .		0
142	Wiring space and length estimation in two-dimensional arrays. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2000, 19, 612-615.	1.9	6
143	A high speed and low power phase-frequency detector and charge-pump. , 1999, , .		33
144	Fast approximation algorithms on maxcut, k-coloring, and k-color ordering for VLSI applications. IEEE Transactions on Computers, 1998, 47, 1253-1266.	2.4	31

#	ARTICLE	IF	CITATIONS
145	A buffer distribution algorithm for high-performance clock net optimization. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 1995, 3, 84-98.	2.1	16
146	New approximation results on graph matching and related problems. Lecture Notes in Computer Science, 1995, , 343-358.	1.0	6
147	The pin redistribution problem in multi-chip modules. Mathematical Programming, 1994, 63, 297-330.	1.6	8
148	M/sup 2/R: multilayer routing algorithm for high-performance MCMs. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1994, 41, 253-265.	0.1	21
149	Approximation algorithm on multi-way maxcut partitioning. Lecture Notes in Computer Science, 1994, , 148-158.	1.0	1
150	An optimum pin redistribution for MultiChip modules. , 0, , .		2
151	A fast VLSI implementation of sorting algorithm for standard median filters. , 0, , .		8
152	VLSI architecture for low power motion estimation using high data access reuse. , 0, , .		0
153	Lower power Viterbi decoder architecture with a new clock-gating trace-back unit. , 0, , .		7
154	Area-efficient and reusable VLSI architecture of decision feedback equalizer for QAM modem. , 0, , .		0
155	Low power VLSI architecture of Viterbi scorer for HMM-based isolated word recognition. , 0, , .		10