

# Valencia Joyner Koomson

## List of Publications by Year in descending order

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11  
papers

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1684188  
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#	ARTICLE	IF	CITATIONS
1	A CMOS Sensor for Measurement of Cerebral Optical Coefficients Using Non-Invasive Frequency Domain Near Infrared Spectroscopy. IEEE Sensors Journal, 2013, 13, 3166-3174.	4.7	16
2	Optical Characterization of Tissue Phantoms Using a Silicon Integrated fdNIRS System on Chip. IEEE Transactions on Biomedical Circuits and Systems, 2017, 11, 279-286.	4.0	16
3	A Novel CMOS Frequency-Mixing Transimpedance Amplifier for Frequency Domain Near Infrared Spectroscopy. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 84-94.	5.4	15
4	A CMOS-Based Bidirectional Brain Machine Interface System With Integrated fdNIRS and tDCS for Closed-Loop Brain Stimulation. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 554-563.	4.0	15
5	Millimeter wave complementary metal-oxide-semiconductor on-chip hexagonal nano-ferrite circulator. Journal of Applied Physics, 2015, 117, 17C123.	2.5	10
6	A Visible Light Communication System Demonstration Based on 16-Level Pulse Amplitude Modulation of an LED Array. , 2012, , .		5
7	Millimeter wave hexagonal nano-ferrite circulator on silicon CMOS substrate. , 2014, , .		5
8	Design of an integrated high-speed HBT-based electroabsorption modulator and driver in SiGe BiCMOS technology. , 2012, , .		1
9	Simulation, design and integration of 60 GHz Gallium Nitride transceiver into nano-ferrite circulator on-silicon CMOS substrate. , 2017, , .		1
10	A silicon based fdNIRS system with integrated tDCS on chip for non-invasive closed-loop neuro stimulation. , 2017, , .		1
11	A CMOS integrated fdNIRS and tDCS system for simultaneous brain stimulation and monitoring. , 2017, , .		1