Shuna Yang

List of Publications by Year
in descending order

20 papers	**109** citations	1478505 **6** h-index	1372567 **10** g-index
20 all docs	**20** docs citations	**20** times ranked	**54** citing authors

#	Article	IF	Citations
1	Impact of the Reactor Structure on Biomass Pyrolysis in Fluidized-Bed Reactors: A Coarse-Grained CFD-DEM Study. Energy & Fuels, 2021, 35, 10035-10050.	5.1	18
2	Photonic analog-to-digital converter using Mach-Zehnder modulators having identical half-wave voltages with improved bit resolution. Applied Optics, 2009, 48, 4458.	2.1	17
3	Simulation of Biomass Pyrolysis in a Rotary Drum by Coupling CFD-DEM with a One-Dimensional Thermally Thick Model. Energy & Fuels, 2022, 36, 3665-3679.	5.1	14
4	Photonic approach for generating bandwidth-doubled and switchable multi-format chirp waveforms. Optics Letters, 2021, 46, 1578.	3.3	13
5	Distortion compensation in continuous-time photonic time-stretched ADC based on redundancy detection. Applied Optics, 2021, 60, 1646.	1.8	8
6	Modeling and Simulation of the Motion and Gasification Behaviors of Superellipsoidal Biomass Particles in an Entrained-Flow Reactor. Energy & Fuels, 2021, 35, 1488-1502.	5.1	7
7	Photonic quantization and encoding scheme with improved bit resolution based on waveform folding. Optics Express, 2019, 27, 35565.	3.4	6
8	Photonic Generation and Switching of Multi-Format Chirp Waveforms With Anti-Dispersion Transmission. IEEE Photonics Technology Letters, 2022, 34, 137-140.	2.5	5
9	Photonic analog-to-digital conversion based on time-to-frequency mapping. Optics Communications, 2022, 502, 127440.	2.1	4
10	Photonic serial implementation of a flash analog-to-digital converter. Optics Letters, 2020, 45, 1643.	3.3	4
11	Photonic Generation of Switchable Dual-Band Dual-Chirp Microwave Waveforms. IEEE Photonics Journal, 2022, 14, 1-5.	2.0	4
12	A serial digital-to-analog conversion based on photonic time-stretch technology. Optics Communications, 2022, 510, 127949.	2.1	4
13	A Photonic Digitization Scheme With Enhanced Bit Resolution Based on Hierarchical Quantization. IEEE Access, 2020, 8, 150242-150247.	4.2	2
14	Study on the Interaction between Modes of a Nanoparticle-Laden Aerosol System. Journal of Nanotechnology, 2018, 2018, 1-7.	3.4	1
15	Proposal of Photonic Analog-to-digital Conversion Using Weighted Multiwavelength Pulses and Balanced Photodetector. , 2019, , .		1
16	Analysis on predistortion algorithm for improving adjacent channel leakage ratio of radio over fiber systems. Microwave and Optical Technology Letters, 2020, 62, 1483-1488.	1.4	1
17	Architecture and Performance Evaluation of a Novel Optical Packet Switch with Input Concentrators. Photonics, 2021, 8, 510.	2.0	0
18	Anti-chromatic Dispersion Transmission of Dual-chirp Waveform Based on a Single DPMZM. , 2021, , .		0

#	Article	IF	Citations
19	High-performance digital-to-analog conversion based on dual-electrode Mach–Zehnder modulators. Optical Engineering, 2022, 61, .	1.0	0
20	Resolution-Enhanced Dynamic Waveform Spectral Analysis Based on the Inverse Temporal Talbot Effect. IEEE Photonics Technology Letters, 2022, 34, 749-752.	2.5	0