Yuntao Wu

List of Publications by Year
in descending order

43 papers	614 citations	759233 12 h-index	610901 24 g-index
43 all docs	43 docs citations	43 times ranked	565 citing authors

#	Article	IF	Citations
1	Zero‐Dimensional $Cs_3Cu_2I_5$ Perovskite Single Crystal as Sensitive X‐Ray and γ‐Ray Scintillator. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000374.	2.4	87
2	Ultrabright and Highly Efficient All‐Inorganic Zero‐Dimensional Perovskite Scintillators. Advanced Optical Materials, 2021, 9, 2100460.	7.3	79
3	Zero-dimensional Cs_4EuX_6 (X = Br, I) all-inorganic perovskite single crystals for gamma-ray spectroscopy. Journal of Materials Chemistry C, 2018, 6, 6647-6655.	5.5	66
4	Non-Hygroscopic, Self-Absorption Free, and Efficient 1D $CsCu_2I_3$ Perovskite Single Crystal for Radiation Detection. ACS Applied Materials & Interfaces, 2021, 13, 12198-12202.	8.0	52
5	Single crystal and optical ceramic multicomponent garnet scintillators: A comparative study. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 780, 45-50.	1.6	40
6	Subspace-Based Algorithm for Parameter Estimation of Polynomial Phase Signals. IEEE Transactions on Signal Processing, 2008, 56, 4977-4983.	5.3	34
7	Unraveling the Critical Role of Site Occupancy of Lithium Codopants in Lu_2SiO_5:Ce^{3+} Single-Crystalline Scintillators. ACS Applied Materials & Interfaces, 2019, 11, 8194-8201.	8.0	24
8	Multidimensional Sinusoidal Frequency Estimation Using Subspace and Projection Separation Approaches. IEEE Transactions on Signal Processing, 2012, 60, 5536-5543.	5.3	22
9	Multiple near‐field source localisation with uniform circular array. Electronics Letters, 2013, 49, 1509-1510.	1.0	22
10	Czochralski Growth, Optical, Scintillation, and Defect Properties of Cu^{2+} Codoped Lu_2SiO_5:Ce^{3+} Single Crystals. Crystal Growth and Design, 2019, 19, 4081-4089.	3.0	20
11	On the Role of Li^+ Codoping in Simultaneous Improvement of Light Yield, Decay Time, and Afterglow of Lu_2SiO_5:Ce^{3+} Scintillation Detectors. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800472.	2.4	16
12	Ultralow-concentration Sm codoping in CsI:Tl scintillator: A case of little things can make a big difference. Optical Materials, 2014, 38, 297-300.	3.6	13
13	From Simulated to Visual Data: A Robust Low-Rank Tensor Completion Approach Using ℓ_p-Regression for Outlier Resistance. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3462-3474.	8.3	13
14	Investigation of $CeBr_{3-x}I_x$ scintillators. Journal of Crystal Growth, 2020, 531, 125365.	1.5	12
15	Undoped and Tl‐Doped $Cs_3Cu_2I_5$ Thin Films as Potential X‐ray Scintillators. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100422.	2.4	9
16	Feature Matching for Remote Sensing Image Registration via Manifold Regularization. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4564-4574.	4.9	8
17	Role of Lithium Codoping in Enhancing the Scintillation Yield of Aluminate Garnets. Physical Review Applied, 2020, 13, .	3.8	8
18	A novel $LiCl‐BaCl_2$:Eu^{2+} eutectic scintillator for thermal neutron detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 797, 319-323.	1.6	7

#	Article	IF	Citations
19	Tailoring the Properties of Europium–Doped Potassium Calcium Iodide Scintillators Through Defect Engineering. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1700403.	2.4	7
20	DOA Estimation for Echo Signals and Experimental Results in the AM Radio-Based Passive Radar. IEEE Access, 2018, 6, 73316-73327.	4.2	7
21	Discovery of New Compounds and Scintillators of the A_4BX_6 Family: Crystal Structure, Thermal, Optical, and Scintillation Properties. Crystal Growth and Design, 2018, 18, 5220-5230.	3.0	7
22	Seeing Pedestrian in the Dark via Multi-Task Feature Fusing-Sharing Learning for Imaging Sensors. Sensors, 2020, 20, 5852.	3.8	7
23	Unitary root-MUSIC based on tensor mode-R algorithm for multidimensional sinusoidal frequency estimation without pairing parameters. Multidimensional Systems and Signal Processing, 2020, 31, 491-501.	2.6	6
24	Resolution Improvement of Light Field Imaging via a Nematic Liquid Crystal Microlens with Added Multi-Walled Carbon Nanotubes. Sensors, 2020, 20, 5557.	3.8	6
25	Optical and Scintillation Properties of Hf^{4+} Codoped $SrI_2:Eu^{2+}$ Single Crystals. IEEE Transactions on Nuclear Science, 2020, 67, 876-879.	2.0	6
26	Self-assembled $^{nat}LiCl$–$CeCl_3$ directionally solidified eutectics for thermal neutron detection. CrystEngComm, 2020, 22, 3269-3273.	2.6	5
27	$LiCaAlF_6$:Eu and $LiCaAlF_6$:Ce Single Crystals Grown by the Vertical Bridgman Method in a Nonvacuum Atmosphere and Their Optical and Scintillation Properties. Crystal Growth and Design, 2021, 21, 847-853.	3.0	5
28	R-D Frequency estimation of multidimensional sinusoids based on eigenvalues and eigenvectors. Multidimensional Systems and Signal Processing, 2015, 26, 777-786.	2.6	3
29	DOA Estimation in Non-Uniform Noise Using Matrix Completion via Alternating Projection. IEEE Open Journal of Antennas and Propagation, 2021, 2, 281-285.	3.7	3
30	Face Super-Resolution via Hierarchical Multi-Scale Residual Fusion Network. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2021, E104.A, 1365-1369.	0.3	3
31	A Light Field Display Realization with a Nematic Liquid Crystal Microlens Array and a Polymer Dispersed Liquid Crystal Film. Photonics, 2022, 9, 244.	2.0	3
32	Neighbors isometric embedding nonnegative matrix factorization for image representation. Multidimensional Systems and Signal Processing, 2017, 28, 529-547.	2.6	2
33	DOA Estimation by Two-Dimensional Interpolation in the Presence of Mutual Coupling. , 2020, , .		2
34	Transform Domain: Design of Closed-Form Joint 2-D DOA Estimation Based on QR Decomposition. Circuits, Systems, and Signal Processing, 2020, 39, 5318-5329.	2.0	2
35	Multiple–input multiple–output with frequency diverse array radar transmit beamforming design for low–probability–of–intercept in cluttered environments. IET Signal Processing, 0, , .	1.5	2
36	Joint frequency-elevation-azimuth estimation without pairing using L-shaped array. , 2012, , .		1

#	Article	IF	Citations
37	Multidimensional Single-Tone Frequency Estimation Based on QR Decomposition. IEEE Access, 2019, 7, 68153-68159.	4.2	1
38	Multi-View Texture Learning for Face Super-Resolution. IEICE Transactions on Information and Systems, 2021, E104.D, 1028-1038.	0.7	1
39	Effects of different Eu concentrations and Cu, Mg or Ba ions co-doping on optical and scintillation properties of LiCaAlF6:Eu single crystals. Radiation Measurements, 2021, 147, 106638.	1.4	1
40	Track-Before-Detect Procedures in AM Radio-Based Passive Radar. International Journal of Antennas and Propagation, 2021, 2021, 1-12.	1.2	1
41	Fast and Accurate Approach for DOA Estimation of Coherent Signals. Wireless Communications and Mobile Computing, 2022, 2022, 1-7.	1.2	1
42	A Cooperative Semantic Caching Scheme for Super-Peer Networks. , 2009, , .		0
43	Using cloud computing platform to implement Air Quality Monitoring System. , 2013, , .		0