

# Kang Liu

## List of Publications by Year in descending order

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45  
papers

1,251  
citations

430874

18  
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434195

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all docs

45  
docs citations

45  
times ranked

636  
citing authors

#	ARTICLE	IF	CITATIONS
1	Target Detection Method Using Heterodyne Single-Photon Radar at Terahertz Frequencies. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	6
2	3-D Object Imaging Method With Electromagnetic Vortex. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	19
3	Reweighted-Dynamic-Grid-Based Microwave Coincidence Imaging With Grid Mismatch. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	5
4	Coherent-Detecting and Incoherent-Modulating Microwave Coincidence Imaging With Off-Grid Errors. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
5	Detection of Rotational Object in Arbitrary Position Using Vortex Electromagnetic Waves. IEEE Sensors Journal, 2021, 21, 4989-4994.	4.7	17
6	OAM-based Imaging with Cylinder-shaped Arrays. , 2021, , .		1
7	Direct-detection Single-photon Radar at Terahertz Frequencies. , 2021, , .		2
8	Electromagnetic Vortex Enhanced Imaging Using Fractional OAM Beams. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 948-952.	4.0	36
9	Microwave Vortex Imaging Based on Dual Coupled OAM Beams. IEEE Sensors Journal, 2020, 20, 806-815.	4.7	32
10	Computational imaging with low-order OAM beams at microwave frequencies. Scientific Reports, 2020, 10, 11641.	3.3	12
11	Backward Scattering of Electrically Large Standard Objects Illuminated by OAM Beams. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1167-1171.	4.0	21
12	Scattering Characteristics of Vortex Electromagnetic Waves by a Metal Plate. , 2020, , .		2
13	Off-Grid Microwave Coincidence Imaging Based on Directional Grid Fission. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2497-2501.	4.0	6
14	Vortex SAR Imaging Method Based on OAM Beams Design. IEEE Sensors Journal, 2019, 19, 11873-11879.	4.7	29
15	Microwave-Sensing Technology Using Orbital Angular Momentum: Overview of Its Advantages. IEEE Vehicular Technology Magazine, 2019, 14, 112-118.	3.4	45
16	Three-Dimensional Target Imaging Based on Vortex Stripmap SAR. IEEE Sensors Journal, 2019, 19, 1338-1345.	4.7	34
17	A Side-Lobe Suppression Method Based on Coherence Factor for Terahertz Array Imaging. IEEE Access, 2018, 6, 5584-5588.	4.2	15
18	Detection of Uniformly Accelerated Spinning Target Based on OAM Beams. , 2018, , .		7

#	ARTICLE	IF	CITATIONS
19	Orbital-Angular-Momentum-Based ISAR Imaging at Terahertz Frequencies. IEEE Sensors Journal, 2018, 18, 9230-9235.	4.7	19
20	Target scattering characteristics for OAM-based radar. AIP Advances, 2018, 8, .	1.3	20
21	Passive OAM-Based Radar Imaging With Single-In-Multiple-Out Mode. IEEE Microwave and Wireless Components Letters, 2018, 28, 840-842.	3.2	38
22	Super-resolution radar imaging based on experimental OAM beams. Applied Physics Letters, 2017, 110, .	3.3	138
23	Radiation pattern synthesis for the generation of vortex electromagnetic wave. IET Microwaves, Antennas and Propagation, 2017, 11, 685-694.	1.4	19
24	Sidelobe Suppression and Beam Collimation in the Generation of Vortex Electromagnetic Waves for Radar Imaging. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1289-1292.	4.0	24
25	Microwave imaging of spinning object using orbital angular momentum. Journal of Applied Physics, 2017, 122, .	2.5	28
26	OAM-Based Multitarget Detection: From Theory to Experiment. IEEE Microwave and Wireless Components Letters, 2017, 27, 760-762.	3.2	19
27	Research on imaging of precession targets based on range-instantaneous Doppler in the terahertz band. , 2017, , .		1
28	Spinning target detection using OAM-based radar. , 2017, , .		1
29	A fast radar coincidence imaging approach for sparse target. , 2017, , .		3
30	OAM-generating method based on concentric-ring array using planar antenna. , 2017, , .		1
31	Study on the unusual features of OAM beams and vortex electromagnetic fields. , 2017, , .		0
32	A Fast Terahertz Imaging Method Using Sparse Rotating Array. Sensors, 2017, 17, 2209.	3.8	8
33	High-Resolution Electromagnetic Vortex Imaging Based on Sparse Bayesian Learning. IEEE Sensors Journal, 2017, 17, 6918-6927.	4.7	38
34	A method for radar coincidence imaging with model errors. , 2017, , .		2
35	A random phase compensation method for terahertz radar. , 2016, , .		2
36	Generation of OAM beams with array error contributions. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
37	Radiation pattern control and synthesis for the generation of OAM-beams. , 2016, , .		0
38	Generation of Orbital Angular Momentum Beams for Electromagnetic Vortex Imaging. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1873-1876.	4.0	65
39	Study on the theory and method of vortexâ€electromagneticâ€waveâ€based radar imaging. IET Microwaves, Antennas and Propagation, 2016, 10, 961-968.	1.4	43
40	Generation of OAM-carrying beams with different array configurations. , 2016, , .		0
41	Generation of OAM Beams Using Phased Array in the Microwave Band. IEEE Transactions on Antennas and Propagation, 2016, 64, 3850-3857.	5.1	192
42	An Effective Nonlinear Phase Compensation Method for FMCW Terahertz Radar. IEEE Photonics Technology Letters, 2016, 28, 1684-1687.	2.5	9
43	Design method of highâ€efficiency sparse array for ultraâ€wideband radar. Electronics Letters, 2016, 52, 225-226.	1.0	1
44	Orbital-Angular-Momentum-Based Electromagnetic Vortex Imaging. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 711-714.	4.0	247
45	Analysis of Quantum Radar Cross Section and Its Influence on Target Detection Performance. IEEE Photonics Technology Letters, 2014, 26, 1146-1149.	2.5	41