

# Kirk M Scanlan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5498295/publications.pdf>

Version: 2024-02-01

12  
papers

55  
citations

1937685

4  
h-index

1720034

7  
g-index

13  
all docs

13  
docs citations

13  
times ranked

110  
citing authors

#	ARTICLE	IF	CITATIONS
1	The surface roughness of Europa derived from Galileo stereo images. <i>Icarus</i> , 2020, 343, 113669.	2.5	15
2	Geometric determination of ionospheric total electron content from dual frequency radar sounding measurements. <i>Planetary and Space Science</i> , 2019, 178, 104696.	1.7	12
3	Altimetry Measurements From Planetary Radar Sounders and Application to SHARAD on Mars. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	6.3	6
4	Interferometric discrimination of cross-track bed clutter in ice-penetrating radar sounding data. <i>Annals of Glaciology</i> , 2020, 61, 68-73.	1.4	5
5	Evaluating the impact of ballast undercutting on the roughness of track geometry over different subgrade conditions. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2018, 232, 1266-1276.	2.0	4
6	Delay Doppler SAR Focusing and Quantitative Quality Control of the Radar for Europa Assessment and Sounding: Ocean to Near-Surface (REASON) Sounding Data Product. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 4352-4369.	4.9	4
7	Martian roughness analogues of European terrains for radar sounder investigations. <i>Icarus</i> , 2021, 358, 114197.	2.5	3
8	A Review of Methods for Estimating Ballast Degradation Using Ground-Penetrating Radar. , 2018, , 54-76.		2
9	Polarimetric Airborne Radar Sounding as an Approach to Characterizing Subglacial Rñthlisberger Channels. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 4455-4467.	4.9	2
10	The spatial correlation between track roughness and ground-penetrating radar inferred ballast degradation. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2018, 232, 1917-1931.	2.0	1
11	Evaluating the sensitivity of low-frequency ground-penetrating radar attributes to estimate ballast fines in the presence of variable track foundations through simulation. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2018, 232, 1168-1181.	2.0	1
12	Evaluating the Equivalency Between Track Quality Indices and the Minimum Track Geometry Threshold Exceedances Along a Canadian Freight Railway. , 2016, , .		0