

# Hans Garcia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/737772/publications.pdf>

Version: 2024-02-01

19  
papers

86  
citations

1937685

4  
h-index

1872680

6  
g-index

19  
all docs

19  
docs citations

19  
times ranked

31  
citing authors

| #  | ARTICLE                                                                                                                                                                                                   | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Multi-Resolution Compressive Spectral Imaging Reconstruction From Single Pixel Measurements. IEEE Transactions on Image Processing, 2018, 27, 6174-6184.                                                  | 9.8 | 30        |
| 2  | Optimized Sensing Matrix for Single Pixel Multi-Resolution Compressive Spectral Imaging. IEEE Transactions on Image Processing, 2020, 29, 4243-4253.                                                      | 9.8 | 12        |
| 3  | Coded aperture design for solving the phase retrieval problem in X-ray crystallography. Journal of Computational and Applied Mathematics, 2018, 338, 111-128.                                             | 2.0 | 11        |
| 4  | Multi-Resolution Coded Apertures Based on Side Information for Single Pixel Spectral Reconstruction. , 2018, , .                                                                                          |     | 7         |
| 5  | Single Pixel Spectral Image Fusion with Side Information from a Grayscale Sensor. , 2018, , .                                                                                                             |     | 7         |
| 6  | Multi-resolution reconstruction algorithm for compressive single pixel spectral imaging. , 2017, , .                                                                                                      |     | 5         |
| 7  | C-3SPCD: coded aperture similarity constrained design for spatio-spectral classification of single-pixel measurements. Applied Optics, 2022, 61, E21.                                                     | 1.8 | 4         |
| 8  | Spectral Image Fusion for Increasing the Spatio-Spectral Resolution Through Side Information. Communications in Computer and Information Science, 2018, , 165-176.                                        | 0.5 | 3         |
| 9  | Target Identification from Coded Diffraction Patterns via Template Matching. , 2019, , .                                                                                                                  |     | 2         |
| 10 | Object Classification Using Spectral Images and Deep Learning. , 2020, , .                                                                                                                                |     | 2         |
| 11 | Multiresolution spectral imaging by combining different sampling strategies in a compressive imager, MR-CASSI. , 2016, , .                                                                                |     | 1         |
| 12 | Super-Resolution in Compressive Coded Imaging Systems via $l_2$ $\hat{=}$ $l_1$ $\hat{=}$ $l_2$ Minimization Under a Deep Learning Approach. , 2020, , .                                                  |     | 1         |
| 13 | Deep Learning-Based Object Classification for Spectral Images. Communications in Computer and Information Science, 2021, , 147-159.                                                                       | 0.5 | 1         |
| 14 | Impact of Multi-resolution reconstruction on Computed Tomography. , 2019, , .                                                                                                                             |     | 0         |
| 15 | Low-Cost Optical architecture Based on RGB and Single Pixel Measurements Aiming to UAV Applications. , 2019, , .                                                                                          |     | 0         |
| 16 | Multi-resolution Reconstruction Algorithm for Phase Retrieval in X-ray Crystallography. , 2019, , .                                                                                                       |     | 0         |
| 17 | Acquisition System Based in a Low-Cost Optical Architecture with Single Pixel Measurements and RGB Side Information for UAV Imagery. Communications in Computer and Information Science, 2019, , 155-167. | 0.5 | 0         |
| 18 | Compressed-domain Classification Algorithm for Spectral Imaging Based on Designed Single-Pixel Camera Codification. , 2021, , .                                                                           |     | 0         |

| #  | ARTICLE                                                                                                          | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------|----|-----------|
| 19 | Correction of Designed Compressive Spectral Imaging Measurements Using a Deep Learning-Based Method. , 2021, , . |    | 0         |