# Carlos Milovic

List of Publications by Year
in descending order

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|---|---|---|---|
| 17 papers | 473 citations | 933447 10 h-index | 940533 16 g-index |
| 19 all docs | 19 docs citations | 19 times ranked | 604 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | DeepSPIO: Super Paramagnetic Iron Oxide Particle Quantification Using Deep Learning in Magnetic Resonance Imaging. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 143-153. | 13.9 | 12 |
| 2 | Streaking artifact suppression of quantitative susceptibility mapping reconstructions via L1â€norm data fidelity optimization (L1â€QSM). Magnetic Resonance in Medicine, 2022, 87, 457-473. | 3.0 | 5 |
| 3 | Hybrid data fidelity term approach for quantitative susceptibility mapping. Magnetic Resonance in Medicine, 2022, , . | 3.0 | 2 |
| 4 | Comparison of parameter optimization methods for quantitative susceptibility mapping. Magnetic Resonance in Medicine, 2021, 85, 480-494. | 3.0 | 12 |
| 5 | QSM reconstruction challenge 2.0: A realistic in silico head phantom for MRI data simulation and evaluation of susceptibility mapping procedures. Magnetic Resonance in Medicine, 2021, 86, 526-542. | 3.0 | 34 |
| 6 | QSM reconstruction challenge 2.0: Design and report of results. Magnetic Resonance in Medicine, 2021, 86, 1241-1255. | 3.0 | 30 |
| 7 | The 2016 QSM Challenge: Lessons learned and considerations for a future challenge design. Magnetic Resonance in Medicine, 2020, 84, 1624-1637. | 3.0 | 18 |
| 8 | Nonlinear dipole inversion (NDI) enables robust quantitative susceptibility mapping (QSM). NMR in Biomedicine, 2020, 33, e4271. | 2.8 | 39 |
| 9 | Weakâ€harmonic regularization for quantitative susceptibility mapping. Magnetic Resonance in Medicine, 2019, 81, 1399-1411. | 3.0 | 19 |
| 10 | A new discrete dipole kernel for quantitative susceptibility mapping. Magnetic Resonance Imaging, 2018, 51, 7-13. | 1.8 | 1 |
| 11 | Fast nonlinear susceptibility inversion with variational regularization. Magnetic Resonance in Medicine, 2018, 80, 814-821. | 3.0 | 55 |
| 12 | Quantitative susceptibility mapping: Report from the 2016 reconstruction challenge. Magnetic Resonance in Medicine, 2018, 79, 1661-1673. | 3.0 | 151 |
| 13 | A robust multi-scale approach to quantitative susceptibility mapping. NeuroImage, 2018, 183, 7-24. | 4.2 | 60 |
| 14 | Multiscale gradient domain compression for astronomical high dynamic range imaging. Imaging Science Journal, 2016, 64, 353-363. | 0.5 | 1 |
| 15 | DEEP OPTICAL IMAGES OF MALIN 1 REVEAL NEW FEATURES. Astrophysical Journal Letters, 2015, 815, L29. | 8.3 | 23 |
| 16 | Calcium (Ca2+) waves data calibration and analysis using image processing techniques. BMC Bioinformatics, 2013, 14, 162. | 2.6 | 1 |
| 17 | Quantitative Susceptibility Map Reconstruction via a Total Generalized Variation Regularization. , 2013, , . | | 4 |