Athina P Petropulu

List of Publications by Year in descending order

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149 papers

5,501 citations

293460 24 h-index 54 g-index

149 all docs 149 docs citations

149 times ranked 3294 citing authors

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| 1 | Reinforcement Learning for Motion Policies in Mobile Relaying Networks. IEEE Transactions on Signal Processing, 2022, 70, 850-861. | 3.2 | 6 |
| 2 | Simultaneous Monitoring of Multiple People's Vital Sign Leveraging a Single Phased-MIMO Radar. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2022, 6, 311-320. | 2.3 | 20 |
| 3 | Deep Actor-Critic for Continuous 3D Motion Control in Mobile Relay Beamforming Networks., 2022,,. | | 2 |
| 4 | Cramér-Rao Bound and Antenna Selection Optimization for Dual Radar-Communication Design. , 2022, , . | | 4 |
| 5 | DFRC with Improved Communication-Sensing Trade-off via Private Subcarrier Permutations and Pairing with Antennas. , 2022, , . | | 2 |
| 6 | An Anti-Jamming Multiple Access Channel Game Using Latency as Metric. IEEE Wireless Communications Letters, 2022, 11, 1800-1804. | 3.2 | 2 |
| 7 | An Overview of Signal Processing Techniques for Joint Communication and Radar Sensing. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 1295-1315. | 7.3 | 309 |
| 8 | IEEE Signal Processing Society PROGRESS: Support for Underrepresented Talent in the Field of Signal Processing [Conference Highlights]. IEEE Signal Processing Magazine, 2021, 38, 201-203. | 4.6 | 2 |
| 9 | Learning to Select for Mimo Radar Based on Hybrid Analog-Digital Beamforming. , 2021, , . | | 4 |
| 10 | A Multiple Access Channel Game Using Latency Metric. , 2021, , . | | 2 |
| 11 | A Multi-Jammer Power Control Game. IEEE Communications Letters, 2021, 25, 3031-3035. | 2.5 | 3 |
| 12 | Deep Q Learning With Fourier Feature Mapping For Mobile Relay Beamforming Networks. , 2021, , . | | 3 |
| 13 | Double Deep Q Learning with Gradient Biasing for Mobile Relay Beamforming Networks. , 2021, , . | | O |
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| 15 | A Multi-Jammer Game With Latency as the User's Communication Utility. IEEE Communications Letters, 2020, 24, 1899-1903. | 2.5 | 11 |
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| 17 | A Power Control Problem for a Dual Communication-Radar System Facing a Jamming Threat. , 2020, , . | | 2 |
| 18 | Q-Learning Based Predictive Relay Selection for Optimal Relay Beamforming. , 2020, , . | | 5 |

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| 19 | Compressed-Domain Detection and Estimation for Colocated MIMO Radar. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4504-4518. | 2.6 | 9 |
| 20 | A Dilemma in the Communication of a UAV with its Controller. International Game Theory Review, 2020, 22, 2040003. | 0.3 | 2 |
| 21 | MIMO Radar for Advanced Driver-Assistance Systems and Autonomous Driving: Advantages and Challenges. IEEE Signal Processing Magazine, 2020, 37, 98-117. | 4.6 | 277 |
| 22 | Joint Radar and Communication Design: Applications, State-of-the-Art, and the Road Ahead. IEEE Transactions on Communications, 2020, 68, 3834-3862. | 4.9 | 753 |
| 23 | A Sparse Linear Array Approach in Automotive Radars Using Matrix Completion. , 2020, , . | | 15 |
| 24 | A Jamming Game With Rival-Type Uncertainty. IEEE Transactions on Wireless Communications, 2020, 19, 5359-5372. | 6.1 | 27 |
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| 26 | Deep Learning Based Beamforming Neural Networks in Downlink MISO Systems., 2019,,. | | 15 |
| 27 | Weighted Sparse Bayesian Learning (WSBL) for Basis Selection in Linear Underdetermined Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 7353-7367. | 3.9 | 14 |
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| 31 | Contactless Monitoring of Critical Infrastructure [From the Guest Editors]. IEEE Signal Processing Magazine, 2019, 36, 19-21. | 4.6 | 4 |
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| 33 | MIMO Radar Privacy Protection Through Gradient Enforcement in Shared Spectrum Scenarios. , 2019, , | | 3 |
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| 35 | Cooperative Beamforming With Predictive Relay Selection for Urban mmWave Communications. IEEE Access, 2019, 7, 157057-157071. | 2.6 | 14 |
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| 76 | EEG sparse source localization via Range Space Rotation. , 2015, , . | | 6 |
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| 81 | RIP bounds for naively subsampled Scrambled Fourier sensing matrices. , 2014, , . | | 2 |
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