| **TITULO** | **AÑO** |
| --- | --- |
| **Realistic Unmanned Aerial Vehicle Simulation: A Comprehensive Approach**D Tejero-Ruiz, FJ Pérez-Gran, A Viguria, A Ollero2024 7th Iberian Robotics Conference (ROBOT), 1-6 | 2024 |
| **Photoconsistent and Trajectory Guided Novel-View Synthesis Tool for UAV Cinematography Based on Autoregressive Transformers**MA Montes-Grova, V Mygdalis, FJ Pérez-Grau, A Viguria, I Pitas2024 IEEE 34th International Workshop on Machine Learning for Signal … | 2024 |
| **A Novel Unmanned Aerial System for Power Line Inspection and Maintenance Operations**JM Marredo, A Petrus, MA Trujillo, A Viguria, A Ollero2024 International Conference on Unmanned Aircraft Systems (ICUAS), 602-609 | 2024 |
| **Petrochemical industry aerial robotic inspection: A novel concept for landing and deploying robots on pipes**MA Montes-Grova, J Ortuño-Conde, D Tejero-Ruiz, J Olmedo-Pradas, ...2024 International Conference on Unmanned Aircraft Systems (ICUAS), 1377-1384 | 2024 |
| **Road Pavement Inspection with UAVs Beyond Visual Line of Sight in Long-Range Operations**J Curado-Soriano, FJ Pérez-Grau, A ViguriaEuropean Robotics Forum, 263-268 | 2024 |
| **AI-Enhanced Ergonomics: Revolutionizing Industrial Safety Through Real-Time Posture Analysis****and PPE Detection**Rafael Luque, José Ramón Vilanova, Gonzalo Díaz, and Eduardo Ferrera | 2024 |
| **Application of intelligent aerial robots to the inspection and maintenance of electrical power lines**A Ollero, A Suarez, JM Marredo, G Cioffi, R Penicka, G Vasiljevic, ...Robotics and Automation Solutions for Inspection and Maintenance in Critical … | 2024 |
| **Aerial-core: Ai-powered aerial robots for inspection and maintenance of electrical power infrastructures**A Ollero, A Suarez, C Papaioannidis, I Pitas, JM Marredo, V Duong, ...arXiv preprint arXiv:2401.02343 | 2024 |
| **Airframe-fast prototyping framework for uavs definition**A Berra, PJ Sanchez-Cuevas, MA Trujillo, G Heredia, A Viguria2023 International Conference on Unmanned Aircraft Systems (ICUAS), 1175-1182 | 2023 |
| **Lowering the entry barrier to aerial robotics competitions**FJ Pérez-Grau, PL Barriga, A Viguria2023 International Conference on Unmanned Aircraft Systems (ICUAS), 487-492 | 2023 |
| **Towards safe operations in urban environments with uavs**R Caballero, P Jiménez, FJ Pérez-Grau, A Viguria, A Ollero2023 International Conference on Unmanned Aircraft Systems (ICUAS), 336-342 | 2023 |
| **Perspective Chapter: European Robotics League–Benchmarking through Smart City Robot Competitions**M Studley, S Carter, FJ Perez-Grau, AV Jiménez, G Ferri, F Ferreira, ...Human-Robot Interaction-Perspectives and Applications | 2023 |