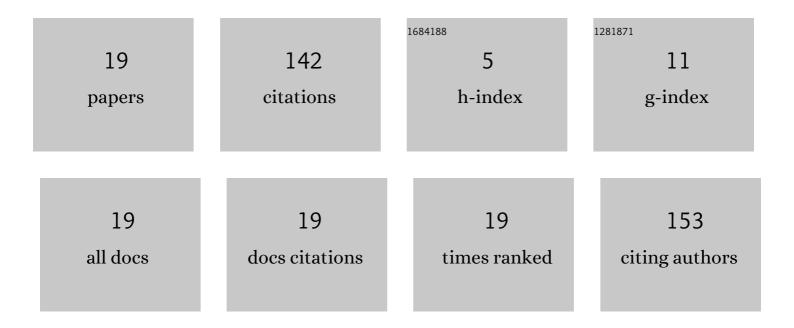
Sofia Bayona

List of Publications by Year in descending order

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SOFIA RAVONA

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Automatic Personality Assessment through Movement Analysis. Sensors, 2022, 22, 3949. | 3.8 | 2 |
| 2 | Attention Deficit Hyperactivity Disorder Assessment Based on Patient Behavior Exhibited in a Car Video Game: A Pilot Study. Brain Sciences, 2022, 12, 877. | 2.3 | 6 |
| 3 | A Unified Framework for Neuroscience Morphological Data Visualization. Applied Sciences (Switzerland), 2021, 11, 4652. | 2.5 | 2 |
| 4 | Improving the Discriminability of Haptic Icons: The Haptic Tuning Fork. Applied Sciences (Switzerland), 2021, 11, 8772. | 2.5 | 0 |
| 5 | Neuronize v2: Bridging the Gap Between Existing Proprietary Tools to Optimize Neuroscientific Workflows. Frontiers in Neuroanatomy, 2020, 14, 585793. | 1.7 | 5 |
| 6 | Improving the Teaching of Hypothesis Testing Using a Divide-and-Conquer Strategy and Content Exposure Control in a Gamified Environment. Mathematics, 2020, 8, 2244. | 2.2 | 6 |
| 7 | NeuroTessMesh: A Tool for the Generation and Visualization of Neuron Meshes and Adaptive On-the-Fly Refinement. Frontiers in Neuroinformatics, 2017, 11, 38. | 2.5 | 16 |
| 8 | Improving impulsivity assessment using movement recognition: A pilot study. Behavior Research Methods, 2016, 48, 1575-1579. | 4.0 | 4 |
| 9 | Haptically Assisted Connection Procedure for the Reconstruction of Dendritic Spines. IEEE Transactions on Haptics, 2014, 7, 486-498. | 2.7 | 1 |
| 10 | Assessing Performance in Shoulder Arthroscopy: The Imperial Global Arthroscopy Rating Scale (IGARS). Journal of Bone and Joint Surgery - Series A, 2014, 96, e112. | 3.0 | 20 |
| 11 | A New User-Adapted Search Haptic Algorithm to Navigate along Filiform Structures. IEEE Transactions on Haptics, 2014, 7, 273-284. | 2.7 | 2 |
| 12 | Neuronize: a tool for building realistic neuronal cell morphologies. Frontiers in Neuroanatomy, 2013, 7, 15. | 1.7 | 27 |
| 13 | A Global Approach to the Design and Evaluation of Virtual Reality Medical Simulators. , 2011, , . | | 1 |
| 14 | Implementing Virtual Reality in the Healthcare Sector. , 2011, , 138-163. | | 2 |
| 15 | A new assessment methodology for virtual reality surgical simulators. Computer Animation and Virtual Worlds, 2009, 20, 39-52. | 1.2 | 4 |
| 16 | Assessment study of insight ARTHRO VR ® arthroscopy virtual training simulator: face, content, and construct validities. Journal of Robotic Surgery, 2008, 2, 151-158. | 1.8 | 30 |
| 17 | Mechanical Design of a Minimally Invasive Surgery Trainer Using the Manipulability as Measure of Optimization. , 2007, , . | | 9 |
| 18 | Design of an adaptable haptic device for an arthroscopy training environment. International Journal on Interactive Design and Manufacturing, 2007, 1, 169-173. | 2.2 | 2 |

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Comparing Sphere-Tree Generators and Hierarchy Updates for Deformable Objects Collision Detection. Lecture Notes in Computer Science, 2005, , 167-174. | 1.3 | 3 |