

# Angel Udias

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

995  
citations

516710

16  
h-index

526287

27  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1632  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated valuation of a nature-based solution for water pollution control. Highlighting hidden benefits. <i>Ecosystem Services</i> , 2016, 22, 392-401.	5.4	179
2	Human pressures and ecological status of European rivers. <i>Scientific Reports</i> , 2017, 7, 205.	3.3	142
3	Urban heat island mitigation by green infrastructure in European Functional Urban Areas. <i>Sustainable Cities and Society</i> , 2022, 77, 103564.	10.4	106
4	A proposal for integration of the ecosystem-water-food-land-energy (EWFLE) nexus concept into life cycle assessment: A synthesis matrix system for food security. <i>Journal of Cleaner Production</i> , 2018, 172, 3874-3889.	9.3	99
5	Predicting biochemical oxygen demand in European freshwater bodies. <i>Science of the Total Environment</i> , 2019, 666, 1089-1105.	8.0	54
6	Design and performance evaluation of a coplanar multimodality scanner for rodent imaging. <i>Physics in Medicine and Biology</i> , 2009, 54, 5427-5441.	3.0	49
7	How EU policies could reduce nutrient pollution in European inland and coastal waters. <i>Global Environmental Change</i> , 2021, 69, 102281.	7.8	46
8	Software architecture for multi-bed FDK-based reconstruction in X-ray CT scanners. <i>Computer Methods and Programs in Biomedicine</i> , 2012, 107, 218-232.	4.7	37
9	A decision support tool to enhance agricultural growth in the MÅ©krou river basin (West Africa). <i>Computers and Electronics in Agriculture</i> , 2018, 154, 467-481.	7.7	32
10	An integrated assessment framework for the analysis of multiple pressures in aquatic ecosystems and the appraisal of management options. <i>Science of the Total Environment</i> , 2017, 575, 1477-1488.	8.0	29
11	Assessing the policy scenarios for the Ecosystem Water Food Energy (EWFE) nexus in the Mediterranean region. <i>Ecosystem Services</i> , 2019, 35, 231-240.	5.4	25
12	Properties of nucleon resonances by means of a genetic algorithm. <i>Physical Review C</i> , 2008, 77, .	2.9	21
13	Identifying efficient agricultural irrigation strategies in Crete. <i>Science of the Total Environment</i> , 2018, 633, 271-284.	8.0	21
14	Integrating multiple land cover maps through a multi-criteria analysis to improve agricultural monitoring in Africa. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020, 88, 102064.	2.8	21
15	Probability maps of anthropogenic impacts affecting ecological status in European rivers. <i>Ecological Indicators</i> , 2021, 126, 107684.	6.3	20
16	An assessment of energy storage options for large-scale PV-RO desalination in the extended Mediterranean region. <i>Scientific Reports</i> , 2019, 9, 16234.	3.3	17
17	Framework for multi-criteria decision management in watershed restoration. <i>Journal of Hydroinformatics</i> , 2012, 14, 395-411.	2.4	14
18	A Multi-Objective Approach to Evaluate the Economic and Environmental Impacts of Alternative Water and Nutrient Management Strategies in Africa. <i>Journal of Environmental Informatics</i> , 0, , .	6.0	12

#	ARTICLE	IF	CITATIONS
19	Simulation and multicriteria optimization modeling approach for regional water restoration management. <i>Annals of Operations Research</i> , 2014, 219, 123-140.	4.1	10
20	Identifying Efficient Nitrate Reduction Strategies in the Upper Danube. <i>Water (Switzerland)</i> , 2016, 8, 371.	2.7	10
21	On a selection and scheduling problem in automatic storage and retrieval warehouses. <i>International Journal of Production Research</i> , 2013, 51, 5337-5353.	7.5	7
22	Cost-efficient equitable water distribution in Algeria: a bicriteria fair division problem with network constraints. <i>International Transactions in Operational Research</i> , 2012, 19, 675-693.	2.7	6
23	Multi-Criteria Framework to Assess Large Scale Water Resources Policy Measures. <i>Water (Switzerland)</i> , 2016, 8, 370.	2.7	5
24	VrPET/CT: Development of a rotating multimodality scanner for small-animal imaging. , 2008, , .		4
25	Upscaling 3D coupled hydro mechanical properties of fractured porous rocks. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2019, 123, 104117.	5.8	4
26	ESPRES: A web application for interactive analysis of multiple pressures in aquatic ecosystems. <i>Science of the Total Environment</i> , 2020, 744, 140792.	8.0	4
27	Design an development of a high performance micro-CT system for small animal imaging. , 2006, , .		3
28	Assessment of a new CT system for small animals. , 2006, , .		2
29	PET/CT alignment for small animal scanners based on capillary detection. , 2008, , .		2
30	Use of IBASPM atlas-based automatic segmentation toolbox in pathological brains: Effect of template selection. , 2008, , .		2
31	Small-animal PET registration method with intrinsic validation designed for large datasets. , 2007, , .		1
32	Bioenergy Potential of Crop Residues in the Senegal River Basin: A Croplandâ€“Energyâ€“Water-Environment Nexus Approach. <i>Sustainability</i> , 2021, 13, 11065.	3.2	1
33	Selection of Evolutionary Multicriteria Strategies: Application in Designing a Regional Water Restoration Management Plan. <i>Studies in Computational Intelligence</i> , 2014, , 311-325.	0.9	1
34	Multi-objective Optimization for Improved Agricultural Water and Nitrogen Management in Selected Regions of Africa. <i>Profiles in Operations Research</i> , 2015, , 241-258.	0.4	0
35	Spatial Variation of Woody Riparian Vegetation across the Riverbank Topographic Gradient in Mediterranean Rivers: Species and Growth Categories. <i>River Research and Applications</i> , 2016, 32, 1289-1301.	1.7	0
36	Identification of Optimal Agricultural Development Strategies in the West African Sahel MÃ©krou Transboundary River Basin. <i>Climate Change Management</i> , 2019, , 729-746.	0.8	0

#	ARTICLE	IF	CITATIONS
37	Multi-Criteria Parameter Identification Methodology for Unsaturated Soils. , 0, , .		0