

# Ahmed Hosny

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3278675/publications.pdf>

Version: 2024-02-01

22  
papers

8,366  
citations

471061

17  
h-index

713013

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

10319  
citing authors

| #  | ARTICLE  | IF    | CITATIONS |
|----|--|-------|-----------|
| 1  | Computational Radiomics System to Decode the Radiographic Phenotype. <i>Cancer Research</i> , 2017, 77, e104-e107.   | 0.4   | 3,458     |
| 2  | Artificial intelligence in radiology. <i>Nature Reviews Cancer</i> , 2018, 18, 500-510.  | 12.8  | 1,953     |
| 3  | Artificial intelligence in cancer imaging: Clinical challenges and applications. <i>Ca-A Cancer Journal for Clinicians</i> , 2019, 69, 127-157.  | 157.7 | 965       |
| 4  | Deep learning for lung cancer prognostication: A retrospective multi-cohort radiomics study. <i>PLoS Medicine</i> , 2018, 15, e1002711.  | 3.9   | 385       |
| 5  | Deep Learning Predicts Lung Cancer Treatment Response from Serial Medical Imaging. <i>Clinical Cancer Research</i> , 2019, 25, 3266-3275.  | 3.2   | 364       |
| 6  | Transparency and reproducibility in artificial intelligence. <i>Nature</i> , 2020, 586, E14-E16.   | 13.7  | 233       |
| 7  | Artificial intelligence in radiation oncology. <i>Nature Reviews Clinical Oncology</i> , 2020, 17, 771-781.  | 12.5  | 167       |
| 8  | Artificial intelligence for clinical oncology. <i>Cancer Cell</i> , 2021, 39, 916-927.   | 7.7   | 136       |
| 9  | Data Analysis Strategies in Medical Imaging. <i>Clinical Cancer Research</i> , 2018, 24, 3492-3499.  | 3.2   | 115       |
| 10 | Deep Learning to Assess Long-term Mortality From Chest Radiographs. <i>JAMA Network Open</i> , 2019, 2, e197416.   | 2.8   | 97        |
| 11 | Deep learning classification of lung cancer histology using CT images. <i>Scientific Reports</i> , 2021, 11, 5471.   | 1.6   | 96        |
| 12 | Making data matter: Voxel printing for the digital fabrication of data across scales and domains. <i>Science Advances</i> , 2018, 4, eaas8652.   | 4.7   | 78        |
| 13 | Artificial intelligence for global health. <i>Science</i> , 2019, 366, 955-956.  | 6.0   | 76        |
| 14 | Handcrafted versus deep learning radiomics for prediction of cancer therapy response. <i>The Lancet Digital Health</i> , 2019, 1, e106-e107.   | 5.9   | 59        |
| 15 | Bioinspired design of flexible armor based on chiton scales. <i>Nature Communications</i> , 2019, 10, 5413.  | 5.8   | 56        |
| 16 | Pre-procedural fit-testing of TAVR valves using parametric modeling and 3D printing. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, 21-30.   | 0.7   | 49        |
| 17 | Hybrid Living Materials: Digital Design and Fabrication of 3D Multimaterial Structures with Programmable Biohybrid Surfaces. <i>Advanced Functional Materials</i> , 2020, 30, 1907401.                     | 7.8   | 47        |
| 18 | 3D printing and intraoperative neuronavigation tailoring for skull base reconstruction after extended endoscopic endonasal surgery: proof of concept. <i>Journal of Neurosurgery</i> , 2018, 130, 248-255. | 0.9   | 15        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Deep Learning-based Detection of Intravenous Contrast Enhancement on CT Scans. Radiology: Artificial Intelligence, 2022, 4, .   | 3.0 | 9         |
| 20 | Unlocking vendor-specific tags: Three-dimensional printing of echocardiographic data sets. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 143-145.e1.   | 0.4 | 6         |
| 21 | End-to-End Non-Small-Cell Lung Cancer Prognostication Using Deep Learning Applied to Pretreatment Computed Tomography. JCO Clinical Cancer Informatics, 2021, 5, 1141-1150.                                 | 1.0 | 2         |
| 22 | 3D Printing and Intraoperative Neuronavigation Tailoring for Skull Base Reconstruction after Extended Endoscopic Endonasal Surgery. Journal of Neurological Surgery, Part B: Skull Base, 2018, 79, S1-S188. | 0.4 | 0         |