

Weiang Yan

List of Publications by Year in descending order

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35
papers

580
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citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Application of Ti ₃ C ₂ MXene Quantum Dots for Immunomodulation and Regenerative Medicine. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900569. | 7.6 | 125 |
| 2 | Development of Fluorine-Free Tantalum Carbide MXene Hybrid Structure as a Biocompatible Material for Supercapacitor Electrodes. <i>Advanced Functional Materials</i> , 2021, 31, 2100015. | 14.9 | 58 |
| 3 | Sweet-MXene hydrogel with mixed-dimensional components for biomedical applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 101, 103440. | 3.1 | 43 |
| 4 | Carbon nanomaterials for cardiovascular theranostics: Promises and challenges. <i>Bioactive Materials</i> , 2021, 6, 2261-2280. | 15.6 | 42 |
| 5 | Fabrication of Smart Tantalum Carbide MXene Quantum Dots with Intrinsic Immunomodulatory Properties for Treatment of Allograft Vasculopathy. <i>Advanced Functional Materials</i> , 2021, 31, 2106786. | 14.9 | 42 |
| 6 | Molecular population genetics and phenotypic sensitivity to ethanol for a globally diverse sample of the nematode <i>Caenorhabditis briggsae</i> . <i>Molecular Ecology</i> , 2010, 19, 798-809. | 3.9 | 37 |
| 7 | Bioactive and trackable MXene quantum dots for subcellular nanomedicine applications. <i>Materials and Design</i> , 2020, 196, 109091. | 7.0 | 37 |
| 8 | Inflammation in myocardial injury: mesenchymal stem cells as potential immunomodulators. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H213-H225. | 3.2 | 33 |
| 9 | Hypoxia-induced 26S proteasome dysfunction increases immunogenicity of mesenchymal stem cells. <i>Cell Death and Disease</i> , 2019, 10, 90. | 6.3 | 27 |
| 10 | Application of injectable hydrogels for cardiac stem cell therapy and tissue engineering. <i>Reviews in Cardiovascular Medicine</i> , 2019, 20, 221. | 1.4 | 25 |
| 11 | Hypoxia-induced shift in the phenotype of proteasome from 26S toward immunoproteasome triggers loss of immunoprivilege of mesenchymal stem cells. <i>Cell Death and Disease</i> , 2020, 11, 419. | 6.3 | 15 |
| 12 | Development of iPSC-based clinical trial selection platform for patients with ultrarare diseases. <i>Science Advances</i> , 2022, 8, eabl4370. | 10.3 | 13 |
| 13 | MXene-aromatic thermosetting copolyester nanocomposite as an extremely wear-resistant biocompatible implant material for osteoarthritis applications. <i>Applied Surface Science</i> , 2022, 600, 154124. | 6.1 | 12 |
| 14 | Hypoxia-induced increase in Sug1 leads to poor post-transplantation survival of allogeneic mesenchymal stem cells. <i>FASEB Journal</i> , 2020, 34, 12860-12876. | 0.5 | 10 |
| 15 | Hypoxia-induced downregulation of cyclooxygenase 2 leads to the loss of immunoprivilege of allogeneic mesenchymal stem cells. <i>FASEB Journal</i> , 2020, 34, 15236-15251. | 0.5 | 10 |
| 16 | Long-term survival and quality of life after extracorporeal membrane oxygenation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2023, 166, 555-566.e2. | 0.8 | 10 |
| 17 | Two-year outcomes from the PARTNER 3 trial: where do we stand?. <i>Current Opinion in Cardiology</i> , 2021, 36, 141-147. | 1.8 | 9 |
| 18 | Conversion of 2D MXene to Multi-Dimensional GerMXene Superlattice Heterostructure. <i>Advanced Functional Materials</i> , 2022, 32, 2108495. | 14.9 | 9 |

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|----|---|------|-----------|
| 19 | Quantum Dots: Application of Ti ₃ C ₂ MXene Quantum Dots for Immunomodulation and Regenerative Medicine (Adv. Healthcare Mater. 16/2019). Advanced Healthcare Materials, 2019, 8, 1970067. | 7.6 | 8 |
| 20 | Extracorporeal membrane oxygenation before surgical repair of a postinfarction ventricular septal defect. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, e121-e123. | 0.8 | 5 |
| 21 | Multimodality Imaging of a Giant Right Coronary Artery Aneurysm. Canadian Journal of Cardiology, 2018, 34, 1688.e5-1688.e7. | 1.7 | 3 |
| 22 | Current and future transcatheter aortic valve replacement valves. Current Opinion in Cardiology, 2021, Publish Ahead of Print, . | 1.8 | 3 |
| 23 | Long-term non-institutionalized survival and rehospitalization after surgical aortic and mitral valve replacements in a large provincial cardiac surgery centre. Interactive Cardiovascular and Thoracic Surgery, 2018, 27, 131-138. | 1.1 | 1 |
| 24 | The COMPASS trial: practical considerations for application after coronary artery bypass surgery. Current Opinion in Cardiology, 2020, 35, 583-588. | 1.8 | 1 |
| 25 | Spinal Epidural Hematoma Secondary to Tenecteplase for ST-Elevation Myocardial Infarction in the Setting of Trauma and Cervical Endplate Fracture. CJC Open, 2020, 2, 71-73. | 1.5 | 1 |
| 26 | Fabrication of Smart Tantalum Carbide MXene Quantum Dots with Intrinsic Immunomodulatory Properties for Treatment of Allograft Vasculopathy (Adv. Funct. Mater. 46/2021). Advanced Functional Materials, 2021, 31, 2170341. | 14.9 | 1 |
| 27 | Commentary: Does valve choice matter in patients receiving hemodialysis?. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 2187-2188. | 0.8 | 0 |
| 28 | Commentary: Patient selection is key to improving postcardiotomy extracorporeal membrane oxygenation outcomes. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 1855-1856. | 0.8 | 0 |
| 29 | Commentary: Stronger together: Interinstitutional collaboration is a key step to improving patient outcomes after contemporary extracorporeal membrane oxygenation. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, 1375-1376. | 0.8 | 0 |
| 30 | Commentary: Using the right tools for the job: Revisiting renal preservation during open thoracoabdominal aortic aneurysm repair. Journal of Thoracic and Cardiovascular Surgery, 2021, , . | 0.8 | 0 |
| 31 | Commentary: Adapting for our patients: Reducing intraoperative adverse events as new technologies emerge. JTCVS Techniques, 2021, 6, 88-89. | 0.4 | 0 |
| 32 | Biocompatible Electrodes: Development of Fluorine-Free Tantalum Carbide MXene Hybrid Structure as a Biocompatible Material for Supercapacitor Electrodes (Adv. Funct. Mater. 30/2021). Advanced Functional Materials, 2021, 31, 2170219. | 14.9 | 0 |
| 33 | Hypoxia-Induced Inactivation of 26S Proteasome Increases Immunogenicity of Allogeneic Mesenchymal Stem Cells. FASEB Journal, 2019, 33, lb600. | 0.5 | 0 |
| 34 | A previously undescribed pathogenic variant in FBN1 gene causing Marfan syndrome: a case report. European Heart Journal - Case Reports, 2022, 6, ytac063. | 0.6 | 0 |
| 35 | Abstract 11474: Ti ₃ C ₂ T _x MXene Nanosheets for Immunomodulation and Prevention of Allograft Vasculopathy. Circulation, 2021, 144, . | 1.6 | 0 |