

Jeremiah J Morrissey

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,797
citations

236925

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265206

42
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all docs

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docs citations

44
times ranked

2488
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Microneedle patch for the ultrasensitive quantification of protein biomarkers in interstitial fluid. <i>Nature Biomedical Engineering</i> , 2021, 5, 64-76. | 22.5 | 173 |
| 2 | Ultrabright fluorescent nanoscale labels for the femtomolar detection of analytes with standard bioassays. <i>Nature Biomedical Engineering</i> , 2020, 4, 518-530. | 22.5 | 110 |
| 3 | Bioplasmonic Paper as a Platform for Detection of Kidney Cancer Biomarkers. <i>Analytical Chemistry</i> , 2012, 84, 9928-9934. | 6.5 | 90 |
| 4 | Hot Spot-Localized Artificial Antibodies for Label-Free Plasmonic Biosensing. <i>Advanced Functional Materials</i> , 2013, 23, 1789-1797. | 14.9 | 90 |
| 5 | A Robust and Scalable Polydopamine/Bacterial Nanocellulose Hybrid Membrane for Efficient Wastewater Treatment. <i>ACS Applied Nano Materials</i> , 2019, 2, 1092-1101. | 5.0 | 89 |
| 6 | Evaluation of Urine Aquaporin-1 and Perilipin-2 Concentrations as Biomarkers to Screen for Renal Cell Carcinoma. <i>JAMA Oncology</i> , 2015, 1, 204. | 7.1 | 86 |
| 7 | Peptide Functionalized Gold Nanorods for the Sensitive Detection of a Cardiac Biomarker Using Plasmonic Paper Devices. <i>Scientific Reports</i> , 2015, 5, 16206. | 3.3 | 82 |
| 8 | Urinary Biomarkers for the Early Diagnosis of Kidney Cancer. <i>Mayo Clinic Proceedings</i> , 2010, 85, 413-421. | 3.0 | 75 |
| 9 | Polydopamine-Mesoporous Silica Core-Shell Nanoparticles for Combined Photothermal Immunotherapy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42499-42510. | 8.0 | 69 |
| 10 | Urine Aquaporin 1 and Perilipin 2 Differentiate Renal Carcinomas From Other Imaged Renal Masses and Bladder and Prostate Cancer. <i>Mayo Clinic Proceedings</i> , 2015, 90, 35-42. | 3.0 | 64 |
| 11 | Metal-Organic Framework Encapsulation Preserves the Bioactivity of Protein Therapeutics. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800950. | 7.6 | 61 |
| 12 | Add-on plasmonic patch as a universal fluorescence enhancer. <i>Light: Science and Applications</i> , 2018, 7, 29. | 16.6 | 58 |
| 13 | Metal-Organic Framework as a Protective Coating for Biodiagnostic Chips. <i>Advanced Materials</i> , 2017, 29, 1604433. | 21.0 | 56 |
| 14 | Metal-Organic Framework Encapsulation for Biospecimen Preservation. <i>Chemistry of Materials</i> , 2018, 30, 1291-1300. | 6.7 | 52 |
| 15 | Sensitivity and Specificity of Urinary Neutrophil Gelatinase-Associated Lipocalin and Kidney Injury Molecule-1 for the Diagnosis of Renal Cell Carcinoma. <i>American Journal of Nephrology</i> , 2011, 34, 391-398. | 3.1 | 49 |
| 16 | The expression of mRNA for tumour necrosis factor- α increases in the obstructed kidney of rats soon after unilateral ureteral ligation. <i>Nephrology</i> , 1996, 2, 161-166. | 1.6 | 47 |
| 17 | Urinary Concentrations of Aquaporin-1 and Perilipin-2 in Patients With Renal Cell Carcinoma Correlate With Tumor Size and Stage but not Grade. <i>Urology</i> , 2014, 83, 256.e9-256.e14. | 1.0 | 43 |
| 18 | The Specificity of Urinary Aquaporin 1 and Perilipin 2 to Screen for Renal Cell Carcinoma. <i>Journal of Urology</i> , 2013, 189, 1913-1920. | 0.4 | 42 |

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|----|--|------|-----------|
| 19 | PEGylated Artificial Antibodies: Plasmonic Biosensors with Improved Selectivity. ACS Applied Materials & Interfaces, 2016, 8, 23509-23516. | 8.0 | 40 |
| 20 | Gold nanocages with built-in artificial antibodies for label-free plasmonic biosensing. Journal of Materials Chemistry B, 2014, 2, 167-170. | 5.8 | 38 |
| 21 | Rapid, Point-of-Care, Paper-Based Plasmonic Biosensor for Zika Virus Diagnosis. Advanced Biology, 2017, 1, e1700096. | 3.0 | 36 |
| 22 | Palladium Nanoparticle-Decorated Mesoporous Polydopamine/Bacterial Nanocellulose as a Catalytically Active Universal Dye Removal Ultrafiltration Membrane. ACS Applied Nano Materials, 2020, 3, 5437-5448. | 5.0 | 36 |
| 23 | Combined Effects of Dexamethasone and 1,25-Dihydroxyvitamin D ₃ on Parathyroid Hormone Secretion in Cultured Bovine Parathyroid Cells*. Endocrinology, 1989, 125, 638-641. | 2.8 | 30 |
| 24 | Ultrarobust Biochips with Metal-Organic Framework Coating for Point-of-Care Diagnosis. ACS Sensors, 2018, 3, 342-351. | 7.8 | 29 |
| 25 | Gold Nanorod Size-Dependent Fluorescence Enhancement for Ultrasensitive Fluoroimmunoassays. ACS Applied Materials & Interfaces, 2021, 13, 11414-11423. | 8.0 | 29 |
| 26 | Environmental Stability of Plasmonic Biosensors Based on Natural versus Artificial Antibody. Analytical Chemistry, 2018, 90, 7880-7887. | 6.5 | 27 |
| 27 | Bioplasmonic calligraphy for multiplexed label-free biodetection. Biosensors and Bioelectronics, 2014, 59, 208-215. | 10.1 | 26 |
| 28 | Bio-Enabled Gold Superstructures with Built-in and Accessible Electromagnetic Hotspots. Advanced Healthcare Materials, 2015, 4, 1502-1509. | 7.6 | 21 |
| 29 | Single Molecule Force Spectroscopy to Compare Natural versus Artificial Antibody-Antigen Interaction. Small, 2017, 13, 1604255. | 10.0 | 21 |
| 30 | Silk-Encapsulated Plasmonic Biochips with Enhanced Thermal Stability. ACS Applied Materials & Interfaces, 2016, 8, 26493-26500. | 8.0 | 20 |
| 31 | Aromatic Functionality of Target Proteins Influences Monomer Selection for Creating Artificial Antibodies on Plasmonic Biosensors. ACS Applied Materials & Interfaces, 2017, 9, 145-151. | 8.0 | 18 |
| 32 | Bioplasmonic paper-based assay for perilipin-2 non-invasively detects renal cancer. Kidney International, 2019, 96, 1417-1421. | 5.2 | 16 |
| 33 | Peptide Functionalized Gold Nanorods for the Sensitive Detection of a Cardiac Biomarker Using Plasmonic Paper Devices. Scientific Reports, 2015, 5, . | 3.3 | 15 |
| 34 | Plasmonically Enhanced CRISPR/Cas13a-Based Bioassay for Amplification-Free Detection of Cancer-Associated RNA. Advanced Healthcare Materials, 2021, 10, e2100956. | 7.6 | 12 |
| 35 | Plasmonically-enhanced competitive assay for ultrasensitive and multiplexed detection of small molecules. Biosensors and Bioelectronics, 2022, 200, 113918. | 10.1 | 12 |
| 36 | Amplification of Refractometric Biosensor Response through Biomineralization of Metal-Organic Framework Nanocrystals. Advanced Materials Technologies, 2017, 2, 1700023. | 5.8 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Refreshable Nanobiosensor Based on Organosilica Encapsulation of Biorecognition Elements. ACS Applied Materials & Interfaces, 2020, 12, 5420-5428. | 8.0 | 6 |
| 38 | Plasmonically Enhanced Ultrasensitive Epitope-Specific Serologic Assay for COVID-19. Analytical Chemistry, 2022, 94, 909-917. | 6.5 | 6 |
| 39 | Ultrabright plasmonic fluor nanolabel-enabled detection of a urinary ER stress biomarker in autosomal dominant tubulointerstitial kidney disease. American Journal of Physiology - Renal Physiology, 2021, 321, F236-F244. | 2.7 | 5 |
| 40 | Pleiotropic effects of amitriptyline ameliorate renal fibrosis. Kidney International, 2009, 75, 583-584. | 5.2 | 4 |
| 41 | Enhancing the Stability of COVID-19 Serological Assay through Metal-Organic Framework Encapsulation. Advanced Healthcare Materials, 2021, 10, 2100410. | 7.6 | 4 |
| 42 | Regulation of Cytosolic pH in Bovine Parathyroid Cells: Effect of Fluoride*. Endocrinology, 1989, 124, 149-156. | 2.8 | 2 |
| 43 | Direct or indirect endothelial cell transforming growth factor- β 2 receptor activation initiates arteriolar hyalinosis. Kidney International, 2012, 82, 838-839. | 5.2 | 1 |