

# Jeremiah J Morrissey

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7138811/publications.pdf>

Version: 2024-02-01

43  
papers

1,797  
citations

236925

25  
h-index

265206

42  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2488  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonically-enhanced competitive assay for ultrasensitive and multiplexed detection of small molecules. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113918.	10.1	12
2	Plasmonically Enhanced Ultrasensitive Epitope-Specific Serologic Assay for COVID-19. <i>Analytical Chemistry</i> , 2022, 94, 909-917.	6.5	6
3	Microneedle patch for the ultrasensitive quantification of protein biomarkers in interstitial fluid. <i>Nature Biomedical Engineering</i> , 2021, 5, 64-76.	22.5	173
4	Gold Nanorod Size-Dependent Fluorescence Enhancement for Ultrasensitive Fluoroimmunoassays. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 11414-11423.	8.0	29
5	Enhancing the Stability of COVID-19 Serological Assay through Metal-Organic Framework Encapsulation. <i>Advanced Healthcare Materials</i> , 2021, 10, 2100410.	7.6	4
6	Ultrabright plasmonic fluor nanolabel-enabled detection of a urinary ER stress biomarker in autosomal dominant tubulointerstitial kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, F236-F244.	2.7	5
7	Plasmonically Enhanced CRISPR/Cas13a-Based Bioassay for Amplification-Free Detection of Cancer-Associated RNA. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100956.	7.6	12
8	Refreshable Nanobiosensor Based on Organosilica Encapsulation of Biorecognition Elements. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 5420-5428.	8.0	6
9	Polydopamine-Mesoporous Silica Core-Shell Nanoparticles for Combined Photothermal Immunotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 42499-42510.	8.0	69
10	Palladium Nanoparticle-Decorated Mesoporous Polydopamine/Bacterial Nanocellulose as a Catalytically Active Universal Dye Removal Ultrafiltration Membrane. <i>ACS Applied Nano Materials</i> , 2020, 3, 5437-5448.	5.0	36
11	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
12	Bioplasmonic paper-based assay for perilipin-2 non-invasively detects renal cancer. <i>Kidney International</i> , 2019, 96, 1417-1421.	5.2	16
13	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
14	Metal-Organic Framework Encapsulation for Biospecimen Preservation. <i>Chemistry of Materials</i> , 2018, 30, 1291-1300.	6.7	52
15	Ultrarobust Biochips with Metal-Organic Framework Coating for Point-of-Care Diagnosis. <i>ACS Sensors</i> , 2018, 3, 342-351.	7.8	29
16	Metal-Organic Framework Encapsulation Preserves the Bioactivity of Protein Therapeutics. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800950.	7.6	61
17	Environmental Stability of Plasmonic Biosensors Based on Natural versus Artificial Antibody. <i>Analytical Chemistry</i> , 2018, 90, 7880-7887.	6.5	27
18	Add-on plasmonic patch as a universal fluorescence enhancer. <i>Light: Science and Applications</i> , 2018, 7, 29.	16.6	58

#	ARTICLE	IF	CITATIONS
19	Amplification of Refractometric Biosensor Response through Biomineralization of Metal-Organic Framework Nanocrystals. <i>Advanced Materials Technologies</i> , 2017, 2, 1700023.	5.8	6
20	Single Molecule Force Spectroscopy to Compare Natural versus Artificial Antibody-Antigen Interaction. <i>Small</i> , 2017, 13, 1604255.	10.0	21
21	Metal-Organic Framework as a Protective Coating for Biodiagnostic Chips. <i>Advanced Materials</i> , 2017, 29, 1604433.	21.0	56
22	Aromatic Functionality of Target Proteins Influences Monomer Selection for Creating Artificial Antibodies on Plasmonic Biosensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 145-151.	8.0	18
23	Rapid, Point-of-Care, Paper-Based Plasmonic Biosensor for Zika Virus Diagnosis. <i>Advanced Biology</i> , 2017, 1, e1700096.	3.0	36
24	PEGylated Artificial Antibodies: Plasmonic Biosensors with Improved Selectivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 23509-23516.	8.0	40
25	Silk-Encapsulated Plasmonic Biochips with Enhanced Thermal Stability. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 26493-26500.	8.0	20
26	Bio-Enabled Gold Superstructures with Built-in and Accessible Electromagnetic Hotspots. <i>Advanced Healthcare Materials</i> , 2015, 4, 1502-1509.	7.6	21
27	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
28	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
29	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
30	Peptide Functionalized Gold Nanorods for the Sensitive Detection of a Cardiac Biomarker Using Plasmonic Paper Devices. <i>Scientific Reports</i> , 2015, 5, .	3.3	15
31	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
32	Bioplasmonic calligraphy for multiplexed label-free biodetection. <i>Biosensors and Bioelectronics</i> , 2014, 59, 208-215.	10.1	26
33	Gold nanocages with built-in artificial antibodies for label-free plasmonic biosensing. <i>Journal of Materials Chemistry B</i> , 2014, 2, 167-170.	5.8	38
34	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
35	Hot Spot-Localized Artificial Antibodies for Label-Free Plasmonic Biosensing. <i>Advanced Functional Materials</i> , 2013, 23, 1789-1797.	14.9	90
36	Direct or indirect endothelial cell transforming growth factor- $\beta^2$ receptor activation initiates arteriolar hyalinosis. <i>Kidney International</i> , 2012, 82, 838-839.	5.2	1

#	ARTICLE	IF	CITATIONS
37	Bioplasmonic Paper as a Platform for Detection of Kidney Cancer Biomarkers. <i>Analytical Chemistry</i> , 2012, 84, 9928-9934.	6.5	90
38	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
39	Urinary Biomarkers for the Early Diagnosis of Kidney Cancer. <i>Mayo Clinic Proceedings</i> , 2010, 85, 413-421.	3.0	75
40	Pleiotropic effects of amitriptyline ameliorate renal fibrosis. <i>Kidney International</i> , 2009, 75, 583-584.	5.2	4
41	The expression of mRNA for tumour necrosis factor $\alpha$ increases in the obstructed kidney of rats soon after unilateral ureteral ligation. <i>Nephrology</i> , 1996, 2, 161-166.	1.6	47
42	Combined Effects of Dexamethasone and 1,25-Dihydroxyvitamin D <sub>3</sub> on Parathyroid Hormone Secretion in Cultured Bovine Parathyroid Cells*. <i>Endocrinology</i> , 1989, 125, 638-641.	2.8	30
43	Regulation of Cytosolic pH in Bovine Parathyroid Cells: Effect of Fluoride*. <i>Endocrinology</i> , 1989, 124, 149-156.	2.8	2