

# Che-Chang Chang

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

897  
citations

567281

15  
h-index

477307

29  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1320  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and Functional Roles of Daxx SIM Phosphorylation in SUMO Paralog-Selective Binding and Apoptosis Modulation. <i>Molecular Cell</i> , 2011, 42, 62-74.	9.7	137
2	<i>Xist</i> reduction in breast cancer upregulates AKT phosphorylation via HDAC3-mediated repression of PHLPP1 expression. <i>Oncotarget</i> , 2016, 7, 43256-43266.	1.8	97
3	Daxx Mediates the Small Ubiquitin-like Modifier-dependent Transcriptional Repression of Smad4. <i>Journal of Biological Chemistry</i> , 2005, 280, 10164-10173.	3.4	96
4	Emerging Trends in Nanomaterials for Antibacterial Applications. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 5831-5867.	6.7	96
5	SEN1 deSUMOylates and Regulates Pin1 Protein Activity and Cellular Function. <i>Cancer Research</i> , 2013, 73, 3951-3962.	0.9	68
6	Glycosylation-dependent galectin-1/neuropilin-1 interactions promote liver fibrosis through activation of TGF- $\beta$ - and PDGF-like signals in hepatic stellate cells. <i>Scientific Reports</i> , 2017, 7, 11006.	3.3	43
7	Quantitative Analysis of Glucose Metabolic Cleavage in Glucose Transporters Overexpressed Cancer Cells by Target-Specific Fluorescent Gold Nanoclusters. <i>Analytical Chemistry</i> , 2018, 90, 3974-3980.	6.5	34
8	Adipocyte browning and resistance to obesity in mice is induced by expression of ATF3. <i>Communications Biology</i> , 2019, 2, 389.	4.4	34
9	Phase-Dependent 1T/2H-MoS <sub>2</sub> Nanosheets for Effective Photothermal Killing of Bacteria. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 8949-8957.	6.7	34
10	Serum amyloid A1 in combination with integrin $\alpha$ 5 $\beta$ 3 increases glioblastoma cells mobility and progression. <i>Molecular Oncology</i> , 2018, 12, 756-771.	4.6	32
11	Structural analysis of poly-SUMO chain recognition by the RNF4-SIMs domain. <i>Biochemical Journal</i> , 2014, 462, 53-65.	3.7	29
12	Synthesis and characterization of Gd-DTPA/fucoidan/peptide complex nanoparticle and in vitro magnetic resonance imaging of inflamed endothelial cells. <i>Materials Science and Engineering C</i> , 2020, 114, 111064.	7.3	28
13	Hypoxia-induced Slug SUMOylation enhances lung cancer metastasis. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 5.	8.6	21
14	Serum ApoA4 levels predicted the progression of renal impairment in T2DM. <i>European Journal of Clinical Investigation</i> , 2018, 48, e12937.	3.4	19
15	Sex hormone-binding globulin (SHBG) is a potential early diagnostic biomarker for gastric cancer. <i>Cancer Medicine</i> , 2018, 7, 64-74.	2.8	19
16	Galectin-1 orchestrates an inflammatory tumor-stroma crosstalk in hepatoma by enhancing TNFR1 protein stability and signaling in carcinoma-associated fibroblasts. <i>Oncogene</i> , 2022, 41, 3011-3023.	5.9	14
17	Genome-wide CRISPR/Cas9 knockout screening uncovers a novel inflammatory pathway critical for resistance to arginine-deprivation therapy. <i>Theranostics</i> , 2021, 11, 3624-3641.	10.0	11
18	Plasmonic Gold Nanoisland Film for Bacterial Theranostics. <i>Nanomaterials</i> , 2021, 11, 3139.	4.1	11

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19	The role of sentrin-specific protease 2 substrate recognition in TGF- $\beta$ <sup>2</sup> -induced tumorigenesis. Scientific Reports, 2018, 8, 9786.	3.3	9
20	Molecular-Clinical Correlation in Pediatric Medulloblastoma: A Cohort Series Study of 52 Cases in Taiwan. Cancers, 2020, 12, 653.	3.7	8
21	SUMOylation of XRCC1 activated by poly (ADP-ribose)ation regulates DNA repair. Human Molecular Genetics, 2018, 27, 2306-2317.	2.9	7
22	Tandem Mach Zehnder Directional Coupler Design and Simulation on Silicon Platform for Optical Coherence Tomography Applications. Sensors, 2020, 20, 1054.	3.8	7
23	Isotypes of autoantibodies against novel differential 4-hydroxy-2-nonenal-modified peptide adducts in serum is associated with rheumatoid arthritis in Taiwanese women. BMC Medical Informatics and Decision Making, 2021, 21, 49.	3.0	7
24	Notch signaling and natural killer cell infiltration in tumor tissues underlie medulloblastoma prognosis. Scientific Reports, 2021, 11, 23282.	3.3	7
25	Expression of the AHPND Toxins PirAvp and PirBvp Is Regulated by Components of the Vibrio parahaemolyticus Quorum Sensing (QS) System. International Journal of Molecular Sciences, 2022, 23, 2889.	4.1	7
26	A $\pi$ AS1 Protective Variant $\pi$ S510G Delays $\pi$ polyQ Disease Onset by Modifying Protein Homeostasis. Movement Disorders, 2021, , .	3.9	7
27	Upregulation of Protein Synthesis and Proteasome Degradation Confers Sensitivity to Proteasome Inhibitor Bortezomib in Myc-Atypical Teratoid/Rhabdoid Tumors. Cancers, 2020, 12, 752.	3.7	6
28	Low Levels of IgG Recognizing the $\pi$ -1-Antitrypsin Peptide and Its Association with Taiwanese Women with Primary Sjogren's Syndrome. International Journal of Molecular Sciences, 2017, 18, 2750.	4.1	3
29	Prognostic Significance of O-GlcNAc and PKM2 in Hormone Receptor-Positive and HER2-Nonenriched Breast Cancer. Diagnostics, 2021, 11, 1460.	2.6	3
30	Grating Lobe-Free Beam Steering through Optical Phase Array Using Phase-Compensated Two Index-Mismatched Silicon Wires-Based Emitters. Applied Sciences (Switzerland), 2020, 10, 1225.	2.5	1
31	Silicon Ribbon-Based Dual-Beam Optical Phased Array with Low Crosstalk and Large FoV. Applied Sciences (Switzerland), 2022, 12, 505.	2.5	1
32	Two Interrogated FBG Spectral Linewidth for Strain Sensing through Correlation. Sensors, 2017, 17, 2837.	3.8	0
33	ATRT-01. UPREGULATION OF PROTEIN SYNTHESIS AND PROTEASOME DEGRADATION CONFERS SENSITIVITY TO PROTEASOME INHIBITOR BORTEZOMIB IN MYC-ATYPICAL TERATOID/RHABDOID TUMORS. Neuro-Oncology, 2020, 22, iii275-iii275.	1.2	0