

# Shyh-Jen Wang

## List of Publications by Year in descending order

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70  
papers

826  
citations

566801

15  
h-index

552369

26  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1068  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractionated Boron Neutron Capture Therapy in Locally Recurrent Head and Neck Cancer: A Prospective Phase I/II Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 396-403.	0.4	66
2	Cognition-Modulated Frontal Activity in Prediction and Augmentation of Antidepressant Efficacy: A Randomized Controlled Pilot Study. <i>Cerebral Cortex</i> , 2016, 26, 202-210.	1.6	64
3	Prefrontal glucose metabolism in medication-resistant major depression. <i>British Journal of Psychiatry</i> , 2015, 206, 316-323.	1.7	54
4	Differentiation of single solid lesions in the lungs by means of single-photon emission tomography with technetium-99m methoxyisobutylisotrile. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1993, 20, 249-54.	2.2	51
5	Rhenium-188 hydroxyethylidene diphosphonate: a new generator-produced radiotherapeutic drug of potential value for the treatment of bone metastases. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1997, 24, 590-595.	2.2	47
6	Biodistribution of rhenium-188 Lipiodol infused via the hepatic artery of rats with hepatic tumours. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1996, 23, 13-17.	2.2	46
7	Fractionated BNCT for locally recurrent head and neck cancer: Experience from a phase I/II clinical trial at Tsing Hua Open-Pool Reactor. <i>Applied Radiation and Isotopes</i> , 2014, 88, 23-27.	0.7	38
8	Functional dysconnection in the prefrontal "amygdala circuitry in unaffected siblings of patients with bipolar I disorder. <i>Bipolar Disorders</i> , 2015, 17, 626-635.	1.1	36
9	Detection of acute inhalation injury in fire victims by means of technetium-99m DTPA radioaerosol inhalation lung scintigraphy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1997, 24, 125-129.	2.2	33
10	The Clemson Limit Stress Diagram for Ductile Parts Subjected to Positive Mean Fatigue Loading. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2000, 122, 143-146.	1.7	29
11	Factors to evaluate a patent in addition to citations. <i>Scientometrics</i> , 2007, 71, 509-522.	1.6	26
12	Evaluation of three rhenium-188 candidates for intravascular radiation therapy with liquid-filled balloons to prevent restenosis. <i>Journal of Nuclear Cardiology</i> , 2000, 7, 37-42.	1.4	21
13	Association between the serotonin transporter and cytokines: Implications for the pathophysiology of bipolar disorder. <i>Journal of Affective Disorders</i> , 2016, 191, 29-35.	2.0	21
14	Sphingosine-1-phosphate in Endothelial Cell Recellularization Improves Patency and Endothelialization of Decellularized Vascular Grafts In Vivo. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1641.	1.8	18
15	A phase 0 study of the pharmacokinetics, biodistribution, and dosimetry of 188Re-liposome in patients with metastatic tumors. <i>EJNMMI Research</i> , 2019, 9, 46.	1.1	17
16	Improved dosimetry for targeted radionuclide therapy using nonrigid registration on sequential SPECT images. <i>Medical Physics</i> , 2015, 42, 1060-1070.	1.6	16
17	Peripheral and central glucose utilizations modulated by mitochondrial DNA 10398A in bipolar disorder. <i>Psychoneuroendocrinology</i> , 2015, 55, 72-80.	1.3	15
18	Neither cortisol nor brain-derived neurotrophic factor is associated with serotonin transporter in bipolar disorder. <i>European Neuropsychopharmacology</i> , 2016, 26, 280-287.	0.3	14

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19	Novel Design for Door Handle—A Potential Technology to Reduce Hand Contamination in the COVID-19 Pandemic. <i>American Journal of Medicine</i> , 2020, 133, 1245-1246.	0.6	13
20	Designing around patents: a guideline. <i>Nature Biotechnology</i> , 2008, 26, 519-522.	9.4	11
21	A New Criterion for Positive Mean Stress Fatigue Design. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 1997, 119, 135-137.	1.7	10
22	Synthesis and Preclinical Characterization of [18F]FPBZA: A Novel PET Probe for Melanoma. <i>BioMed Research International</i> , 2014, 2014, 1-11.	0.9	10
23	Semi-quantitative evaluation of gallium-67 scintigraphy in lupus nephritis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2000, 27, 1626-1631.	3.3	9
24	The Modulus of Toughness of Urinary Calculi. <i>Journal of Biomechanical Engineering</i> , 2002, 124, 133-134.	0.6	9
25	Short term vs. long term test—retest reproducibility of 123 I-ADAM for the binding of serotonin transporters in the human brain. <i>Psychiatry Research - Neuroimaging</i> , 2011, 194, 224-229.	0.9	9
26	Printing a Three-Dimensional Patient-Specific Safety Device for Reducing the Potential Risk of Mental Nerve Injury During Transoral Thyroidectomy. <i>World Journal of Surgery</i> , 2020, 44, 371-377.	0.8	9
27	Uptake of gallium-67 citrate in clean surgical incisions after colorectal surgery. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2001, 28, 369-372.	2.2	8
28	The obviousness rejection as a barrier to biotech patent prosecution. <i>Nature Biotechnology</i> , 2009, 27, 1125-1126.	9.4	8
29	Striatal dopamine transporter binding for predicting the development of delayed neuropsychological sequelae in suicide attempters by carbon monoxide poisoning: A SPECT study. <i>Psychiatry Research - Neuroimaging</i> , 2011, 194, 219-223.	0.9	8
30	Longitudinal changes in the dopamine transporter and cognition in suicide attempters with charcoal burning. <i>Psychiatry Research - Neuroimaging</i> , 2015, 231, 160-167.	0.9	8
31	A simple method for preparing radioactive capsules in colon transit study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2000, 27, 857-860.	3.3	7
32	A new technique for labeling of Lipiodol with <sup>188</sup> Re in the treatment of hepatic tumor. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2004, 261, 189-193.	0.7	7
33	The state of art patent search with an example of human vaccines. <i>Hum Vaccin</i> , 2011, 7, 265-268.	2.4	7
34	The overview and prospects of BNCT facility at Tsing Hua Open-pool reactor. <i>Applied Radiation and Isotopes</i> , 2020, 161, 109143.	0.7	7
35	Mean Shear Stress Effect for a Notch-Free Ductile Material Under Pure Cyclic Torsional Loads. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2006, 128, 667-669.	0.4	6
36	The impact of patent eligibility on biotech patents: A flow chart for determining patent eligibility and an immune therapy case study. <i>Human Vaccines and Immunotherapeutics</i> , 2015, 11, 789-794.	1.4	5

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37	Effects of <sup>99m</sup> Tc-TRODAT-1 drug template on image quantitative analysis. PLoS ONE, 2018, 13, e0194503.	1.1	5
38	The stem cell patent landscape as relevant to cancer vaccines. Hum Vaccin, 2011, 7, 1100-1108.	2.4	4
39	Candida vaccines development from point view of US patent application. Hum Vaccin, 2011, 7, 1165-1171.	2.4	4
40	Patent portfolios for biotech inventions. Nature Biotechnology, 2013, 31, 501-503.	9.4	4
41	Printing a 3-dimensional, Patient-specific Splint for Wound Immobilization: A Case Demonstration. Ostomy - Wound Management, 2018, 64, 8-17.	0.8	4
42	Printing a 3-dimensional, Patient-specific Splint for Wound Immobilization: A Case Demonstration. Ostomy - Wound Management, 2018, 64, 28-33.	0.8	4
43	The use of technetium-99m hexamethylpropylene amine oxime labelled white blood cells to detect subclinical inflammation of the heart after cardiopulmonary bypass in children with congenital heart disease. European Journal of Nuclear Medicine and Molecular Imaging, 1992, 19, 960-3.	2.2	3
44	Hardness evaluation of penile prostheses. International Journal of Urology, 2006, 13, 569-572.	0.5	3
45	The obviousness rejection as a barrier to vaccine patent prosecution. Hum Vaccin, 2011, 7, 474-476.	2.4	3
46	Design-around biotechnology patents: An analysis of US Federal Circuit decisions shows the possibility of designing around biotechnology patents. Hum Vaccin, 2011, 7, 125-128.	2.4	3
47	The written description rejection as a barrier to biotech patent prosecution. Hum Vaccin, 2011, 7, 569-573.	2.4	3
48	Identification of the factors that result in obviousness rulings for biotech patents. Human Vaccines and Immunotherapeutics, 2013, 9, 2490-2495.	1.4	3
49	Printing a patient-specific instrument guide for skull osteoma management. Journal of the Chinese Medical Association, 2020, 83, 918-922.	0.6	3
50	Determination of orthotropic bone elastic constants using FEA and modal analysis by Taylor WR et al.. Journal of Biomechanics, 2004, 37, 421.	0.9	2
51	The "real world" barriers and solutions to Candida vaccine patent prosecutions. Human Vaccines and Immunotherapeutics, 2012, 8, 1443-1449.	1.4	2
52	A newly designed total implantable venous access device in rats for research with high efficiency and low cost. Journal of Surgical Research, 2014, 187, 36-42.	0.8	2
53	The newly filed patent applications for vaccines against staphylococcus aureus. Human Vaccines and Immunotherapeutics, 2017, 13, 2637-2638.	1.4	2
54	Printing a static progressive orthosis for hand rehabilitation. Journal of the Chinese Medical Association, 2021, 84, 795-798.	0.6	2

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55	A New Blade for the Bookwalter Retractor System. Digestive Surgery, 2003, 20, 180-181.	0.6	1
56	Designing around patents with an immunotherapy case. Human Vaccines and Immunotherapeutics, 2012, 8, 679-681.	1.4	1
57	The limited benefit of "product-by-process" claim. Human Vaccines and Immunotherapeutics, 2016, 12, 2685-2687.	1.4	1
58	Drafting eligible biotech and immunotherapy claims. Human Vaccines and Immunotherapeutics, 2019, 15, 2706-2712.	1.4	1
59	The symmetry indices of malar mounds for zygomatic bone fracture management based on a computed tomographic model. Journal of the Chinese Medical Association, 2021, 84, 709-712.	0.6	1
60	Radionuclide colon transit study in patients with idiopathic constipation. Hepato-Gastroenterology, 2002, 49, 1262-4.	0.5	1
61	Relieving patent-eligibility barriers in biotech with a preparation or treatment method. Nature Biotechnology, 2022, 40, 651-653.	9.4	1
62	On the elastic properties of arteries, by Stephanis, C.G., et al., 2000. Journal of Biomechanics, 2005, 38, 191.	0.9	0
63	Simultaneous Dual-Isotope SPECT Imaging Using Independent Component Analysis Based on Wavelet Transformation: Wavelet Based Dual-Isotope SPECT Imaging Using ICA Analysis. , 2009, , .		0
64	Sharpening a biotech patent through methods claims under the litigation strategy of induced infringement. Human Vaccines and Immunotherapeutics, 2014, 10, 808-811.	1.4	0
65	The shadow of inequitable conduct in the US patent application. Human Vaccines and Immunotherapeutics, 2016, 12, 1318-1320.	1.4	0
66	COMPARISON OF VARIOUS RHENIUM-188 LABELED DIPHOSPHONATES FOR THE PALLIATION OF METASTATIC BONE PAIN. , 2000, , .		0
67	A comparison study of ultrasound and Xenon-133 hepatic retention ratio in fatty liver. Hepato-Gastroenterology, 2002, 49, 1036-8.	0.5	0
68	In-111-labeled platelet scintigraphies in patients with chronic hepatitis C. Hepato-Gastroenterology, 2002, 49, 1066-8.	0.5	0
69	Solid-phase radionuclide esophageal transit in progressive systemic sclerosis. Hepato-Gastroenterology, 2002, 49, 989-91.	0.5	0
70	Use of fractionated doses of iodine-131 for ablation of thyroid remnants. Zhonghua Yi Xue Za Zhi = Chinese Medical Journal; Free China Ed, 2002, 65, 336-40.	0.0	0