

# Yu Chih Chiang

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

1,201  
citations

393982

19  
h-index

395343

33  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2089  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vapor construction and modification of stem cell-laden multicomponent scaffolds for regenerative therapeutics. <i>Materials Today Bio</i> , 2022, 13, 100213.	2.6	6
2	Highly efficient strategy for photocatalytic tooth bleaching using SiO <sub>2</sub> /MgO/Fe <sub>2</sub> O <sub>3</sub> nanocomposite spheres. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 136, 104429.	2.7	1
3	Vapor-Phase Fabrication of a Maleimide-Functionalized Poly-p-xylylene with a Three-Dimensional Structure. <i>Coatings</i> , 2021, 11, 466.	1.2	2
4	Guiding Stem Cell Differentiation and Proliferation Activities Based on Nanometer-Thick Functionalized Poly-p-xylylene Coatings. <i>Coatings</i> , 2021, 11, 582.	1.2	0
5	Anti-Demineralization Effects of Dental Adhesive-Composites on Enamel-Root Dentin Junction. <i>Polymers</i> , 2021, 13, 3327.	2.0	8
6	Vapor-Phase Fabrication of Cell-Accommodated Scaffolds with Multicomponent Functionalization for Neuronal Applications. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100929.	1.9	4
7	Vapor-Phase Fabrication of Cell-Accommodated Scaffolds with Multicomponent Functionalization for Neuronal Applications (Adv. Mater. Interfaces 24/2021). <i>Advanced Materials Interfaces</i> , 2021, 8, .	1.9	0
8	Dentists' performance in dentin-composite resin bonding before and after hands-on course learning. <i>Journal of the Formosan Medical Association</i> , 2020, 119, 260-267.	0.8	4
9	Endodontic considerations of survival rate for autotransplanted third molars: a nationwide population-based study. <i>International Endodontic Journal</i> , 2020, 53, 733-741.	2.3	12
10	Parylene-Based Porous Scaffold with Functionalized Encapsulation of Platelet-Rich Plasma and Living Stem Cells for Tissue Engineering Applications. <i>ACS Applied Bio Materials</i> , 2020, 3, 7193-7201.	2.3	7
11	Vapor-Deposited Reactive Coating with Chemically and Topographically Erasable Properties. <i>Polymers</i> , 2019, 11, 1595.	2.0	3
12	Clickable and Photo-Erasable Surface Functionalities by Using Vapor-Deposited Polymer Coatings. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 1753-1761.	2.6	5
13	Novel calcium encapsulated mesocellular siliceous foams for crystal growth in dentinal tubules. <i>Journal of Dentistry</i> , 2019, 83, 61-66.	1.7	5
14	Biomechanical behavior of cavity design on teeth restored using ceramic inlays: An approach based on three-dimensional finite element analysis and ultrahigh-speed camera. <i>Acta Biomaterialia</i> , 2019, 89, 382-390.	4.1	6
15	Strontium ion can significantly decrease enamel demineralization and prevent the enamel surface hardness loss in acidic environment. <i>Journal of the Formosan Medical Association</i> , 2019, 118, 39-49.	0.8	16
16	Effects of fluoride and epigallocatechin gallate on soft-drink-induced dental erosion of enamel and root dentin. <i>Journal of the Formosan Medical Association</i> , 2018, 117, 276-282.	0.8	14
17	Risk of subsequent attention-deficit/hyperactivity disorder among children and adolescents with amalgam restorations: A nationwide longitudinal study. <i>Community Dentistry and Oral Epidemiology</i> , 2018, 46, 47-53.	0.9	7
18	Restoring Large Defect of Posterior Tooth by Indirect Composite Technique: A Case Report. <i>Dentistry Journal</i> , 2018, 6, 54.	0.9	2

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19	Association of Unfinished Root Canal Treatments with the Risk of Pneumonia Hospitalization. <i>Journal of Endodontics</i> , 2017, 43, 29-35.	1.4	5
20	Multifunctional nanoparticles with controllable dimensions and tripled orthogonal reactivity. <i>Nanoscale</i> , 2017, 9, 14787-14791.	2.8	11
21	Clinico-biological significance of suppressor of cytokine signaling 1 expression in acute myeloid leukemia. <i>Blood Cancer Journal</i> , 2017, 7, e588-e588.	2.8	16
22	Multifunctional Surface Modification: Facile and Flexible Reactivity toward a Precisely Controlled Biointerface. <i>Macromolecular Bioscience</i> , 2017, 17, 1600322.	2.1	6
23	Polishing mechanism of light-initiated dental composite: Geometric optics approach. <i>Journal of the Formosan Medical Association</i> , 2016, 115, 1053-1060.	0.8	7
24	Nanocrystalline calcium sulfate/hydroxyapatite biphasic compound as a TGF- $\beta$ 1/VEGF reservoir for vital pulp therapy. <i>Dental Materials</i> , 2016, 32, 1197-1208.	1.6	29
25	Genetic alterations and their clinical implications in older patients with acute myeloid leukemia. <i>Leukemia</i> , 2016, 30, 1485-1492.	3.3	118
26	A mesoporous biomaterial for biomimetic crystallization in dentinal tubules without impairing the bonding of a self-etch resin to dentin. <i>Journal of the Formosan Medical Association</i> , 2016, 115, 455-462.	0.8	8
27	Mesothelin-specific cell-based vaccine generates antigen-specific immunity and potent antitumor effects by combining with IL-12 immunomodulator. <i>Gene Therapy</i> , 2016, 23, 38-49.	2.3	17
28	TP53 mutations in de novo acute myeloid leukemia patients: longitudinal follow-ups show the mutation is stable during disease evolution. <i>Blood Cancer Journal</i> , 2015, 5, e331-e331.	2.8	130
29	Effect of the precrack preparation with an ultrasonic instrument on the ceramic bracket removal. <i>Journal of the Formosan Medical Association</i> , 2015, 114, 704-709.	0.8	4
30	A Novel Chitosan- $\beta$ PGA Polyelectrolyte Complex Hydrogel Promotes Early New Bone Formation in the Alveolar Socket Following Tooth Extraction. <i>PLoS ONE</i> , 2014, 9, e92362.	1.1	24
31	Dynamics of ASXL1 mutation and other associated genetic alterations during disease progression in patients with primary myelodysplastic syndrome. <i>Blood Cancer Journal</i> , 2014, 4, e177-e177.	2.8	80
32	A Mesoporous Silica Biomaterial for Dental Biomimetic Crystallization. <i>ACS Nano</i> , 2014, 8, 12502-12513.	7.3	57
33	Effects of ultrasonic and high-speed air-driven devices on pulp-dentin reactions: An animal study. <i>Journal of Dental Sciences</i> , 2014, 9, 359-363.	1.2	2
34	Integration of cytogenetic and molecular alterations in risk stratification of 318 patients with de novo non-M3 acute myeloid leukemia. <i>Leukemia</i> , 2014, 28, 50-58.	3.3	87
35	Erosive potential of soft drinks on human enamel: An in vitro study. <i>Journal of the Formosan Medical Association</i> , 2014, 113, 850-856.	0.8	22
36	Influence of cyclic heating on physical property and biocompatibility of $\beta$ - and $\beta$ '-form gutta-percha. <i>Journal of the Formosan Medical Association</i> , 2014, 113, 498-505.	0.8	5

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37	Modeling viscoelastic behavior of periodontal ligament with nonlinear finite element analysis. <i>Journal of Dental Sciences</i> , 2013, 8, 121-128.	1.2	37
38	Application and development of ultrasonics in dentistry. <i>Journal of the Formosan Medical Association</i> , 2013, 112, 659-665.	0.8	26
39	Effect of resin shades on opacity of ceramic veneers and polymerization efficiency through ceramics. <i>Journal of Dentistry</i> , 2013, 41, e8-e14.	1.7	26
40	Repair of silorane-based dental composites: Influence of surface treatments. <i>Dental Materials</i> , 2012, 28, 894-902.	1.6	26
41	Tension-compression viscoelastic behaviors of the periodontal ligament. <i>Journal of the Formosan Medical Association</i> , 2012, 111, 471-481.	0.8	41
42	Effect of simulated debracketing on enamel damage. <i>Journal of the Formosan Medical Association</i> , 2012, 111, 560-566.	0.8	11
43	Evaluation of the slumping property of dental composites during modeling. <i>Journal of Dental Sciences</i> , 2012, 7, 330-335.	1.2	0
44	Effect of different surface treatments on the repair strength of a nanofilled resin-based composite. <i>Dental Materials Journal</i> , 2011, 30, 537-545.	0.8	28
45	Single-Molecule Imaging of Bmp4 Dimerization on Human Periodontal Ligament Cells. <i>Journal of Dental Research</i> , 2011, 90, 1318-1324.	2.5	2
46	Polymerization composite shrinkage evaluation with 3D deformation analysis from $\mu$ CT images. <i>Dental Materials</i> , 2010, 26, 223-231.	1.6	67
47	Shrinkage vector determination of dental composite by $\mu$ CT images. <i>Composites Science and Technology</i> , 2010, 70, 989-994.	3.8	19
48	A Novel Mesoporous Biomaterial for Treating Dentin Hypersensitivity. <i>Journal of Dental Research</i> , 2010, 89, 236-240.	2.5	48
49	Synchronous primary cancers of the endometrium and ovary. <i>International Journal of Gynecological Cancer</i> , 2008, 18, 159-164.	1.2	51
50	Development of in vitro tooth staining model and usage of catalysts to elevate the effectiveness of tooth bleaching. <i>Dental Materials</i> , 2008, 24, 57-66.	1.6	42
51	Slumping during sculpturing of composite materials. <i>Dental Materials</i> , 2008, 24, 1594-1601.	1.6	10
52	Failure criteria of dentin-resin adhesion – The J-integral approach. <i>Scripta Materialia</i> , 2007, 56, 863-866.	2.6	2
53	Microstructural changes of enamel, dentin-enamel junction, and dentin induced by irradiating outer enamel surfaces with CO <sub>2</sub> laser. <i>Lasers in Medical Science</i> , 2007, 23, 41-48.	1.0	35