

# Yang Yu

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94  
papers

1,765  
citations

25  
h-index

40  
g-index

105  
ext. papers

2,143  
ext. citations

4.4  
avg, IF

4.64  
L-index

#	Paper	IF	Citations
94	Silica nanoparticles induce oxidative stress, inflammation, and endothelial dysfunction in vitro via activation of the MAPK/Nrf2 pathway and nuclear factor-B signaling. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 1463-77	7.3	156
93	Amorphous silica nanoparticles trigger vascular endothelial cell injury through apoptosis and autophagy via reactive oxygen species-mediated MAPK/Bcl-2 and PI3K/Akt/mTOR signaling. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 5257-5276	7.3	135
92	Silica nanoparticles induce autophagy and endothelial dysfunction via the PI3K/Akt/mTOR signaling pathway. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 5131-41	7.3	123
91	Silica nanoparticles induce autophagy and autophagic cell death in HepG2 cells triggered by reactive oxygen species. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 270, 176-86	12.8	114
90	Impact of Obstructive Sleep Apnea Syndrome on Endothelial Function, Arterial Stiffening, and Serum Inflammatory Markers: An Updated Meta-analysis and Metaregression of 18 Studies. <i>Journal of the American Heart Association</i> , <b>2015</b> , 4,	6	81
89	Low-dose exposure of silica nanoparticles induces cardiac dysfunction via neutrophil-mediated inflammation and cardiac contraction in zebrafish embryos. <i>Nanotoxicology</i> , <b>2016</b> , 10, 575-85	5.3	77
88	Acute toxicity of amorphous silica nanoparticles in intravenously exposed ICR mice. <i>PLoS ONE</i> , <b>2013</b> , 8, e61346	3.7	76
87	Combined toxicity of amorphous silica nanoparticles and methylmercury to human lung epithelial cells. <i>Ecotoxicology and Environmental Safety</i> , <b>2015</b> , 112, 144-52	7	52
86	Silica nanoparticles promote oxLDL-induced macrophage lipid accumulation and apoptosis via endoplasmic reticulum stress signaling. <i>Science of the Total Environment</i> , <b>2018</b> , 631-632, 570-579	10.2	43
85	Silica nanoparticles induce autophagosome accumulation via activation of the EIF2AK3 and ATF6 UPR pathways in hepatocytes. <i>Autophagy</i> , <b>2018</b> , 14, 1185-1200	10.2	43
84	Silica nanoparticles induce liver fibrosis via TGF- $\beta$ /Smad3 pathway in ICR mice. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 6045-6057	7.3	42
83	Exposure to silica nanoparticles causes reversible damage of the spermatogenic process in mice. <i>PLoS ONE</i> , <b>2014</b> , 9, e101572	3.7	37
82	Comprehensive understanding of PM on gene and microRNA expression patterns in zebrafish ( <i>Danio rerio</i> ) model. <i>Science of the Total Environment</i> , <b>2017</b> , 586, 666-674	10.2	33
81	Inflammatory response and blood hypercoagulable state induced by low level co-exposure with silica nanoparticles and benzo[a]pyrene in zebrafish ( <i>Danio rerio</i> ) embryos. <i>Chemosphere</i> , <b>2016</b> , 151, 152-62	8.4	33
80	Macrophages participate in local and systemic inflammation induced by amorphous silica nanoparticles through intratracheal instillation. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 6217-6228	7.3	31
79	<i>Helicobacter pylori</i> infection and inflammatory bowel disease: a crosstalk between upper and lower digestive tract. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 961	9.8	31
78	Preoperative Statin Therapy and Renal Outcomes After Cardiac Surgery: A Meta-analysis and Meta-regression of 59,771 Patients. <i>Canadian Journal of Cardiology</i> , <b>2015</b> , 31, 1051-60	3.8	30

77	DNA Hypermethylation of CREB3L1 and Bcl-2 Associated with the Mitochondrial-Mediated Apoptosis via PI3K/Akt Pathway in Human BEAS-2B Cells Exposure to Silica Nanoparticles. <i>PLoS ONE</i> , <b>2016</b> , 11, e0158475	3.7	30
76	Risk Factors for Post-TAVI Bleeding According to the VARC-2 Bleeding Definition and Effect of the Bleeding on Short-Term Mortality: A Meta-analysis. <i>Canadian Journal of Cardiology</i> , <b>2017</b> , 33, 525-534	3.8	29
75	Endosulfan induces autophagy and endothelial dysfunction via the AMPK/mTOR signaling pathway triggered by oxidative stress. <i>Environmental Pollution</i> , <b>2017</b> , 220, 843-852	9.3	28
74	Silica nanoparticles trigger hepatic lipid-metabolism disorder in vivo and in vitro. <i>International Journal of Nanomedicine</i> , <b>2018</b> , 13, 7303-7318	7.3	28
73	Current status and future prospects of clinical trials on CRS + HIPEC for gastric cancer peritoneal metastases. <i>International Journal of Hyperthermia</i> , <b>2017</b> , 33, 562-570	3.7	27
72	Oxidative Damage and Energy Metabolism Disorder Contribute to the Hemolytic Effect of Amorphous Silica Nanoparticles. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 57	5	27
71	Transcriptomic analyses of human bronchial epithelial cells BEAS-2B exposed to atmospheric fine particulate matter PM. <i>Toxicology in Vitro</i> , <b>2017</b> , 42, 171-181	3.6	25
70	Inflammation-coagulation response and thrombotic effects induced by silica nanoparticles in zebrafish embryos. <i>Nanotoxicology</i> , <b>2018</b> , 12, 470-484	5.3	25
69	Lobaplatin induces BGC-823 human gastric carcinoma cell apoptosis via ROS- mitochondrial apoptotic pathway and impairs cell migration and invasion. <i>Biomedicine and Pharmacotherapy</i> , <b>2016</b> , 83, 1239-1246	7.5	24
68	Preoperative Prophylactic Intraaortic Balloon Pump Reduces the Incidence of Postoperative Acute Kidney Injury and Short-Term Death of High-Risk Patients Undergoing Coronary Artery Bypass Grafting: A Meta-Analysis of 17 Studies. <i>Annals of Thoracic Surgery</i> , <b>2016</b> , 101, 2007-19	2.7	23
67	Interfacial Diffusion Printing: An Efficient Manufacturing Technique for Artificial Tubular Grafts. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 6311-6318	5.5	22
66	Loss of Circulating Exosomal miR-92b is a Novel Biomarker of Colorectal Cancer at Early Stage. <i>International Journal of Medical Sciences</i> , <b>2019</b> , 16, 1231-1237	3.7	19
65	Autophagy and autophagy dysfunction contribute to apoptosis in HepG2 cells exposed to nanosilica. <i>Toxicology Research</i> , <b>2016</b> , 5, 871-882	2.6	16
64	Developmental toxicity of CdTe QDs in zebrafish embryos and larvae. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	16
63	Comparison of the incidence of postoperative neurologic complications after on-pump versus off-pump coronary artery bypass grafting in high-risk patients: A meta-analysis of 11 studies. <i>International Journal of Cardiology</i> , <b>2015</b> , 185, 195-7	3.2	15
62	Repeated intravenous administration of silica nanoparticles induces pulmonary inflammation and collagen accumulation via JAK2/STAT3 and TGF- $\beta$ /Smad3 pathways in vivo. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 7237-7247	7.3	14
61	The effects of decabromodiphenyl ether on glycolipid metabolism and related signaling pathways in mice. <i>Chemosphere</i> , <b>2019</b> , 222, 849-855	8.4	13
60	In-Hospital and Long-Term Mortality in 35,173 Chinese Patients Undergoing Coronary Artery Bypass Grafting in Beijing: Impact of Sex, Age, Myocardial Infarction, and Cardiopulmonary Bypass. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>2017</b> , 31, 26-31	2.1	13

59	Distal end side-to-side anastomoses of sequential vein graft to small target coronary arteries improve intraoperative graft flow. <i>BMC Cardiovascular Disorders</i> , <b>2014</b> , 14, 65	2.3	12
58	Targeting the proinflammatory cytokine tumor necrosis factor- $\alpha$ to alleviate cardiopulmonary bypass-induced lung injury (review). <i>Molecular Medicine Reports</i> , <b>2015</b> , 11, 2373-8	2.9	12
57	Continuous positive airway pressure treatment reduces cardiovascular death and non-fatal cardiovascular events in patients with obstructive sleep apnea: A meta-analysis of 11 studies. <i>International Journal of Cardiology</i> , <b>2015</b> , 191, 128-31	3.2	11
56	Pulmonary artery perfusion with anti-tumor necrosis factor alpha antibody reduces cardiopulmonary bypass-induced inflammatory lung injury in a rabbit model. <i>PLoS ONE</i> , <b>2013</b> , 8, e83236	3.7	11
55	Endosulfan induces cell dysfunction through cycle arrest resulting from DNA damage and DNA damage response signaling pathways. <i>Science of the Total Environment</i> , <b>2017</b> , 589, 97-106	10.2	10
54	Endosulfan inhibits proliferation through the Notch signaling pathway in human umbilical vein endothelial cells. <i>Environmental Pollution</i> , <b>2017</b> , 221, 26-36	9.3	10
53	Silica nanoparticles induced the pre-thrombotic state in rats via activation of coagulation factor XII and the JNK-NF- $\kappa$ B/AP-1 pathway. <i>Toxicology Research</i> , <b>2015</b> , 4, 1453-1464	2.6	10
52	Cytoskeleton and Chromosome Damage Leading to Abnormal Mitosis Were Involved in Multinucleated Cells Induced by Silicon Nanoparticles. <i>Particle and Particle Systems Characterization</i> , <b>2015</b> , 32, 636-645	3.1	10
51	Creating rat model for hypoxic brain damage in neonates by oxygen deprivation. <i>PLoS ONE</i> , <b>2013</b> , 8, e83589	3.89	10
50	Metallothionein prevents doxorubicin cardiac toxicity by indirectly regulating the uncoupling proteins 2. <i>Food and Chemical Toxicology</i> , <b>2017</b> , 110, 204-213	4.7	9
49	Adjunct coronary endarterectomy increases cerebrovascular accident after coronary artery bypass grafting: a meta-analysis of 17,600 patients. <i>International Journal of Cardiology</i> , <b>2015</b> , 182, 79-81	3.2	9
48	Intratracheal antitumor necrosis factor- $\alpha$ antibody attenuates lung tissue damage following cardiopulmonary bypass. <i>Artificial Organs</i> , <b>2013</b> , 37, 142-9	2.6	9
47	Perivenous application of cyanoacrylate tissue sealants reduces intimal and medial thickening of the vein graft and inflammatory responses in a rabbit model of carotid artery bypass grafting. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2016</b> , 49, 675-81	3	8
46	Multi-omics Analysis of Gut Microbiota and Metabolites in Rats With Irritable Bowel Syndrome. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2019</b> , 9, 178	5.9	8
45	Mitral valve replacement therapy causes higher 30-day postoperative mortality than mitral valvuloplasty in patients with severe ischemic mitral regurgitation: A meta-analysis of 12 studies. <i>International Journal of Cardiology</i> , <b>2015</b> , 185, 304-7	3.2	8
44	The Internalization, Distribution, and Ultrastructure Damage of Silica Nanoparticles in Human Hepatic L-02 Cells. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 664-674	3.1	8
43	Changes of amplitude integration electroencephalogram (aEEG) in different maturity preterm infant. <i>Childs Nervous System</i> , <b>2013</b> , 29, 1169-76	1.7	7
42	RBBP8/CtIP suppresses P21 expression by interacting with CtBP and BRCA1 in gastric cancer. <i>Oncogene</i> , <b>2020</b> , 39, 1273-1289	9.2	7

41	Involvement of NFB signaling in mediating the effects of GRK5 on neural stem cells. <i>Brain Research</i> , <b>2015</b> , 1608, 31-9	3.7	6
40	Transcriptome and methylome profiling in a rat model of irritable bowel syndrome induced by stress. <i>International Journal of Molecular Medicine</i> , <b>2018</b> , 42, 2641-2649	4.4	5
39	Preoperative statin therapy is associated with reduced 30-day postoperative all-cause mortality in patients undergoing coronary artery bypass surgery: A meta-analysis of large size observational studies. <i>International Journal of Cardiology</i> , <b>2015</b> , 181, 11-3	3.2	4
38	A pilot study of systolic dyssynchrony index by real-time three-dimensional echocardiography predicting clinical outcomes to surgical ventricular reconstruction in patients with left ventricular aneurysm. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2014</b> , 19, 938-45	1.8	4
37	Clinical evaluation of integrative Chinese and western medicine in treating SARS. <i>Chinese Journal of Integrative Medicine</i> , <b>2003</b> , 9, 181-184	2.9	4
36	Silica nanoparticles induce multinucleation through activation of PI3K/Akt/GSK-3 $\beta$ pathway and downregulation of chromosomal passenger proteins in L-02 cells. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	4
35	Surgical linear ablation for ventricular tachycardia with postinfarction ventricular aneurysm. <i>Journal of Surgical Research</i> , <b>2018</b> , 228, 211-220	2.5	4
34	miR193b Promotes Apoptosis of Gastric Cancer Cells via Directly Mediating the Akt Pathway. <i>BioMed Research International</i> , <b>2020</b> , 2020, 2863236	3	3
33	Nanosilica induced dose-dependent cytotoxicity and cell type-dependent multinucleation in HepG2 and L-02 cells. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	3
32	Silica nanoparticles inducing the apoptosis via microRNA-450b-3p targeting MTCH2 in mice and spermatocyte cell. <i>Environmental Pollution</i> , <b>2021</b> , 277, 116771	9.3	3
31	Prevention of Venous Thromboembolism After Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy: Development of a Physiotherapy Program. <i>Clinical and Applied Thrombosis/Hemostasis</i> , <b>2019</b> , 25, 1076029619890415	3.3	3
30	Peritoneal cancer index (PCI) based patient selecting strategy for complete cytoreductive surgery plus hyperthermic intraperitoneal chemotherapy in gastric cancer with peritoneal metastasis: A single-center retrospective analysis of 125 patients. <i>European Journal of Surgical Oncology</i> , <b>2021</b> , 47, 1111-1118	3.6	3
29	Off-pump sequential bilateral internal mammary artery grafting combined with selective arterialization of the coronary venous system. <i>Chinese Medical Journal</i> , <b>2011</b> , 124, 3017-21	2.9	3
28	FAM175B promotes apoptosis by inhibiting ATF4 ubiquitination in esophageal squamous cell carcinoma. <i>Molecular Oncology</i> , <b>2019</b> , 13, 1150-1165	7.9	2
27	Advancements in the endoscopic treatment of pancreatic fluid collections. <i>Chronic Diseases and Translational Medicine</i> , <b>2020</b> , 6, 158-164	3.9	2
26	Coexisting of bone marrow fibrosis, dysplasia and an X chromosomal abnormality in chronic neutrophilic leukemia with CSF3R mutation: a case report and literature review. <i>BMC Cancer</i> , <b>2018</b> , 18, 343	4.8	2
25	Epicardial unipolar radiofrequency ablation for left ventricular aneurysm related ventricular arrhythmia. <i>Journal of Cardiothoracic Surgery</i> , <b>2013</b> , 8, 124	1.6	1
24	Bipolar radiofrequency ablation for left ventricular aneurysm-related ventricular arrhythmia. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2012</b> , 144, e101-2	1.5	1

23	Adverse outcome pathway of fine particulate matter leading to increased cardiovascular morbidity and mortality: An integrated perspective from toxicology and epidemiology.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 430, 128368	12.8	1
22	Predicting New-Onset Postoperative Atrial Fibrillation Following Isolated Coronary Artery Bypass Grafting: Development and Validation of a Novel Nomogram.. <i>International Journal of General Medicine</i> , <b>2022</b> , 15, 937-948	2.3	1
21	Surgical Endoepicardial Linear Ablation for Ventricular Tachycardia With Postinfarction Left Ventricular Aneurysm. <i>Texas Heart Institute Journal</i> , <b>2020</b> , 47, 194-201	0.8	1
20	Mirabegron Ameliorated Atherosclerosis of ApoE Mice in Chronic Intermittent Hypoxia but Not in Normoxia. <i>Cardiovascular Drugs and Therapy</i> , <b>2021</b> , 1	3.9	1
19	Sequential saphenous vein grafting combined with selective arterialization of middle cardiac vein during off-pump coronary artery bypass surgery. <i>Chinese Medical Journal</i> , <b>2010</b> , 123, 2739-40	2.9	1
18	Association Between Triglyceride-Glucose Index and 2-Year Adverse Cardiovascular and Cerebrovascular Events in Patients with Type 2 Diabetes Mellitus Who Underwent Off-Pump Coronary Artery Bypass Grafting.. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , <b>2022</b> , 15, 133-150	3.4	1
17	Associations between coronary/aortic F-sodium fluoride uptake and pro-atherosclerosis factors in patients with multivessel coronary artery disease.. <i>Journal of Nuclear Cardiology</i> , <b>2022</b> , 1	2.1	1
16	New strategy of using double-network hydrogel extravascular stent for preventing venous graft restenosis after coronary artery bypass grafting.. <i>Perfusion (United Kingdom)</i> , <b>2022</b> , 2676591221099813	1.9	1
15	Motion-flow-guided recurrent network for respiratory signal estimation of x-ray angiographic image sequences. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 245020	3.8	0
14	Case Report: Cardiac Surgery and Combined Lipid-Lowering Drug Therapy for Homozygous Familial Hypercholesterolemia. <i>Frontiers in Pediatrics</i> , <b>2020</b> , 8, 535949	3.4	0
13	The effects of high-sensitivity C-reactive protein on the clinical outcomes in obstructive sleep apnea patients undergoing off-pump coronary artery bypass grafting. <i>BMC Cardiovascular Disorders</i> , <b>2021</b> , 21, 366	2.3	0
12	New Proximal Anastomosis Technique for Calcified Ascending Aorta in Coronary Artery Bypass Grafting. <i>Annals of Thoracic Surgery</i> , <b>2021</b> , 112, e307-e310	2.7	0
11	T1 Mapping and Extracellular Volume in Cardiomyopathy Showing Left Ventricular Hypertrophy: Differentiation Between Hypertrophic Cardiomyopathy and Hypertensive Heart Disease.. <i>International Journal of General Medicine</i> , <b>2022</b> , 15, 4163-4173	2.3	0
10	Effects of ambient air pollution on glycosylated hemoglobin: a systematic review and meta-analysis. <i>Environmental Science and Pollution Research</i> ,	5.1	0
9	Application of medical adhesive inhibits intimal hyperplasia involving the downregulation of ERK1/2 and eNOS levels. <i>Molecular Medicine Reports</i> , <b>2018</b> , 18, 4643-4649	2.9	
8	Outcomes of middle cardiac vein arterialization via internal mammary/thoracic artery anastomosis. <i>PLoS ONE</i> , <b>2013</b> , 8, e80963	3.7	
7	Challenge in the new era: Translational medicine in gastrointestinal endoscopy and early cancer. <i>Chronic Diseases and Translational Medicine</i> , <b>2019</b> , 5, 234-242	3.9	
6	Obstructive Sleep Apnea Increases the Risk of Perioperative Myocardial Infarction Following Off-Pump Coronary Artery Bypass Grafting. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 689795	5.4	

- 5 Epicardial radiofrequency ablation for left ventricular aneurysm related ventricular arrhythmias during off-pump coronary artery bypass surgery. *Chinese Medical Journal*, **2012**, 125, 3836-9 2.9
- 4 Off-pump surgery for coronary artery disease combined with mitral stenosis. *Chinese Medical Journal*, **2013**, 126, 4807-8 2.9
- 3 The critical role of epigenetic mechanisms involved in nanotoxicology.. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2022**, e1789 9.2
- 2 A clinical study of genetic testing to guide the dosing of warfarin after heart valve replacement.. *BMC Cardiovascular Disorders*, **2022**, 22, 183 2.3
- 1 Distal end side-to-side anastomosis of sequential coronary bypass for size mismatched saphenous vein grafts and coronary arteries. *Perfusion (United Kingdom)*,026765912211007 1.9