Fang Fang

List of Publications by Year in Descending Order

204 papers	4,067 citations	34 h-index	53 g-index
223 ext. papers	5,256 ext. citations	6.4 avg, IF	5.75 L-index

#	Paper	IF	Citations
204	The microbiome of Chinese rice wine (Huangjiu).. *Current Research in Food Science*, **2022**, 5, 325-335	5.6	2
203	Transcranial direct current stimulation over the visual cortex facilitates awake consolidation of visual perceptual learning.. *Brain Stimulation*, **2022**,	5.1	1
202	New insight into filamentous sludge bulking: Potential role of AHL-mediated quorum sensing in deteriorating sludge floc stability and structure.. *Water Research*, **2022**, 212, 118096	12.5	0
201	New insights into different surfactants□impacts on sludge fermentation: Focusing on the particular metabolic processes and microbial genetic traits. *Frontiers of Environmental Science and Engineering*, **2022**, 16, 1	5.8	11
200	Integrating mechanistic and deep learning models for accurately predicting the enrichment of polyhydroxyalkanoates accumulating bacteria in mixed microbial cultures. *Bioresource Technology*, **2022**, 344, 126276	11	0
199	Fast identification of fluorescent components in three-dimensional excitation-emission matrix fluorescence spectra via deep learning. *Chemical Engineering Journal*, **2022**, 430, 132893	14.7	2
198	Current status of hypochlorite technology on the wastewater treatment and sludge disposal: Performance, principals and prospects. *Science of the Total Environment*, **2022**, 803, 150085	10.2	6
197	Mechanisms of allicin exposure for the sludge fermentation enhancement: Focusing on the fermentation processes and microbial metabolic traits.. *Journal of Environmental Sciences*, **2022**, 115, 253-264	6.4	15
196	Revealing the characteristics and formation mechanisms of partial denitrification granular sludge for efficient nitrite accumulation driven by glycerol. *Chemical Engineering Journal*, **2022**, 428, 131195	14.7	3
195	Rapid quantification of intracellular polyhydroxyalkanoates via fluorescence techniques: A critical review.. *Bioresource Technology*, **2022**, 126906	11	1
194	Boosting visual perceptual learning by transcranial alternating current stimulation over the visual cortex at alpha frequency.. *Brain Stimulation*, **2022**,	5.1	1
193	Persulfate-based strategy for promoted acesulfame removal during sludge anaerobic fermentation: Combined chemical and biological effects.. *Journal of Hazardous Materials*, **2022**, 434, 128922	12.8	0
192	Elimination of ethyl carbamate in fermented foods. *Food Bioscience*, **2022**, 47, 101725	4.9	0
191	Sludge reduction and microbial community evolution of activated sludge induced by metabolic uncoupler o-chlorophenol in long-term anaerobic-oxic process.. *Journal of Environmental Management*, **2022**, 316, 115230	7.9	0
190	Unveiling the behaviors and mechanisms of percarbonate on the sludge anaerobic fermentation for volatile fatty acids production. *Science of the Total Environment*, **2022**, 838, 156054	10.2	2
189	Revealing the intrinsic drawbacks of waste activated sludge for efficient anaerobic digestion and the potential mitigation strategies. *Bioresource Technology*, **2021**, 345, 126482	11	0
188	Model-based strategy for nitrogen removal enhancement in full-scale wastewater treatment plants by GPS-X integrated with response surface methodology. *Science of the Total Environment*, **2021**, 769, 144851	10.2	6

187	Adaptation mechanism of aerobic denitrifier Enterobacter cloacae strain HNR to short-term ZnO nanoparticle stresses. *Environmental Research*, **2021**, 197, 111178	7.9	2
186	Distinct effects of hypochlorite types on the reduction of antibiotic resistance genes during waste activated sludge fermentation: Insights of bacterial community, cellular activity, and genetic expression. *Journal of Hazardous Materials*, **2021**, 403, 124010	12.8	49
185	A preliminary metatranscriptomic insight of eggshells conditioning on substrates metabolism during food wastes anaerobic fermentation. *Science of the Total Environment*, **2021**, 761, 143214	10.2	14
184	The biotransformation of soil phosphorus in the water level fluctuation zone could increase eutrophication in reservoirs. *Science of the Total Environment*, **2021**, 763, 142976	10.2	7
183	Sex differences in associations of fine particulate matter with non-accidental deaths: an ecological time-series study. *Air Quality, Atmosphere and Health*, **2021**, 14, 863-872	5.6	1
182	Intelligent Guidance Programming of Welding Robot for 3D Curved Welding Seam. *IEEE Access*, **2021**, 9, 42345-42357	3.5	4
181	Integrated data-driven strategy to optimize the processes configuration for full-scale wastewater treatment plant predesign. *Science of the Total Environment*, **2021**, 785, 147356	10.2	4
180	Metatranscriptomic insights of the metabolic process enhancement during food wastes fermentation driven by linear alkylbenzene sulphonates. *Journal of Cleaner Production*, **2021**, 315, 128145	10.3	23
179	Distribution patterns of microbial community and functional characteristics in full-scale wastewater treatment plants: Focusing on the influent types. *Chemosphere*, **2021**, 281, 130899	8.4	8
178	Effect of EPS and its forms of aerobic granular sludge on sludge aggregation performance during granulation process based on XDLVO theory. *Science of the Total Environment*, **2021**, 795, 148682	10.2	10
177	Insights into the accelerated venlafaxine degradation by cysteine-assisted Fe/persulfate: Key influencing factors, mechanisms and transformation pathways with DFT study. *Science of the Total Environment*, **2021**, 793, 148555	10.2	6
176	Modeling molecular structure and behavior of microbial extracellular polymeric substances through interacting-particle reaction dynamics. *Chemical Engineering Journal Advances*, **2021**, 8, 100154	3.6	4
175	Facilitating biofilm formation of Pseudomonas aeruginosa via exogenous N-Acy-L-homoserine lactones stimulation: Regulation on the bacterial motility, adhesive ability and metabolic activity. *Bioresource Technology*, **2021**, 341, 125727	11	1
174	Exploring the feasibility of nitrous oxide reduction and polyhydroxyalkanoates production simultaneously by mixed microbial cultures. *Bioresource Technology*, **2021**, 342, 126012	11	1
173	Metagenomic approach reveals the fates and mechanisms of antibiotic resistance genes exposed to allicins during waste activated sludge fermentation: Insight of the microbial community, cellular status and gene regulation. *Bioresource Technology*, **2021**, 342, 125998	11	7
172	Distribution patterns of functional microbial community in anaerobic digesters under different operational circumstances: A review. *Bioresource Technology*, **2021**, 341, 125823	11	14
171	Data-driven control for combustion process of circulating fluidised bed boiler. *IET Cyber-Physical Systems: Theory and Applications*, **2020**, 5, 39-48	2.5	2
170	Continuous waste activated sludge and food waste co-fermentation for synchronously recovering vivianite and volatile fatty acids at different sludge retention times: Performance and microbial response. *Bioresource Technology*, **2020**, 313, 123610	11	12

169	Identification of an urethanase from Lysinibacillus fusiformis for degrading ethyl carbamate in fermented foods. *Food Bioscience*, **2020**, 36, 100666	4.9	4
168	Shifts of microbial community and metabolic function during food wastes and waste activated sludge co-fermentation in semi-continuous-flow reactors: Effects of fermentation substrate and zero-valent iron. *Bioresource Technology*, **2020**, 313, 123686	11	14
167	An integrated approach based on virtual data augmentation and deep neural networks modeling for VFA production prediction in anaerobic fermentation process. *Water Research*, **2020**, 184, 116103	12.5	14
166	A novel approach of synchronously recovering phosphorus as vivianite and volatile fatty acids during waste activated sludge and food waste co-fermentation: Performance and mechanisms. *Bioresource Technology*, **2020**, 305, 123078	11	24
165	New insights into filamentous sludge bulking: The potential role of extracellular polymeric substances in sludge bulking in the activated sludge process. *Chemosphere*, **2020**, 248, 126012	8.4	14
164	Revealing hydrodynamic effects on flocculation performance and surface properties of sludge by comparing aeration and stirring systems via computational fluid dynamics aided calculation. *Water Research*, **2020**, 172, 115500	12.5	12
163	Effects of different hypochlorite types on the waste activated sludge fermentation from the perspectives of volatile fatty acids production, microbial community and activity, and characteristics of fermented sludge. *Bioresource Technology*, **2020**, 307, 123227	11	21
162	Effects of ZnO nanoparticles on aerobic denitrifying bacteria Enterobacter cloacae strain HNR. *Science of the Total Environment*, **2020**, 725, 138284	10.2	5
161	Novel strategy to stimulate the food wastes anaerobic fermentation performance by eggshell wastes conditioning and the underlying mechanisms. *Chemical Engineering Journal*, **2020**, 398, 125560	14.7	65
160	Influences of different iron forms activated peroxydisulfate on volatile fatty acids production during waste activated sludge anaerobic fermentation. *Science of the Total Environment*, **2020**, 705, 135878	10.2	16
159	Sludge reduction based on microbial metabolism for sustainable wastewater treatment. *Bioresource Technology*, **2020**, 297, 122506	11	20
158	Incredulity on assumptions for the simplified Bohart-Adams model: 17a-ethinylestradiol separation in lab-scale anthracite columns. *Journal of Hazardous Materials*, **2020**, 384, 121501	12.8	5
157	Identification of receptors for eight endocrine disrupting chemicals and their underlying mechanisms using zebrafish as a model organism. *Ecotoxicology and Environmental Safety*, **2020**, 204, 111068	7	6
156	Achieving efficient nitrite accumulation in glycerol-driven partial denitrification system: Insights of influencing factors, shift of microbial community and metabolic function. *Bioresource Technology*, **2020**, 315, 123844	11	12
155	Study on synergistic mechanism of PANDAN modification, current and electroactive biofilms on Congo red decolorization in microbial fuel cells. *International Journal of Hydrogen Energy*, **2020**, 45, 29417-29429	6.7	4
154	New insights into nitrous oxide emissions in a single-stage CANON process coupled with denitrification: thermodynamics and nitrogen transformation. *Water Science and Technology*, **2020**, 82, 157-169	2.2	1
153	Triclosan-induced liver and brain injury in zebrafish (Danio rerio) via abnormal expression of miR-125 regulated by PKC/Nrf2/p53 signaling pathways. *Chemosphere*, **2020**, 241, 125086	8.4	18
152	Formation of microbial products by activated sludge in the presence of a metabolic uncoupler o-chlorophenol in long-term operated sequencing batch reactors. *Journal of Hazardous Materials*, **2020**, 384, 121311	12.8	17

151	Simultaneous Localization and Mapping in a Hybrid Robot and Camera Network System. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2020**, 100, 1493-1508	2.9	2
150	Production of polyhydroxyalkanoates and enrichment of associated microbes in bioreactors fed with rice winery wastewater at various organic loading rates. *Bioresource Technology*, **2019**, 292, 121978	11	20
149	Phosphorus recovery as vivianite from waste activated sludge via optimizing iron source and pH value during anaerobic fermentation. *Bioresource Technology*, **2019**, 293, 122088	11	38
148	Food-grade expression of an iron-containing acid urease in Bacillus subtilis. *Journal of Biotechnology*, **2019**, 293, 66-71	3.7	6
147	Characterization of interactions between a metabolic uncoupler O-chlorophenol and extracellular polymeric substances of activated sludge. *Environmental Pollution*, **2019**, 247, 1020-1027	9.3	16
146	Review on the determination and distribution patterns of a widespread contaminant artificial sweetener in the environment. *Environmental Science and Pollution Research*, **2019**, 26, 19078-19096	5.1	14
145	Toward NO emission reduction in a single-stage CANON coupled with denitrification: Investigation on nitrite simultaneous production and consumption and nitrogen transformation. *Chemosphere*, **2019**, 228, 485-494	8.4	4
144	Triclosan-induced liver injury in zebrafish (Danio rerio) via regulating MAPK/p53 signaling pathway. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2019**, 222, 108-117	3.2	13
143	Promoting the anaerobic production of short-chain fatty acids from food wastes driven by the reuse of linear alkylbenzene sulphonates-enriched laundry wastewater. *Bioresource Technology*, **2019**, 282, 301-309	11	25
142	Potentials and challenges of phosphorus recovery as vivianite from wastewater: A review. *Chemosphere*, **2019**, 226, 246-258	8.4	77
141	Enhancing the anaerobic bioconversion of complex organics in food wastes for volatile fatty acids production by zero-valent iron and persulfate stimulation. *Science of the Total Environment*, **2019**, 669, 540-546	10.2	34
140	Physicochemical and Biological Effects on Activated Sludge Performance and Activity Recovery of Damaged Sludge by Exposure to CeO Nanoparticles in Sequencing Batch Reactors. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	4
139	Effects of miR-181a-5p abnormal expression on zebrafish (Danio rerio) vascular development following triclosan exposure. *Chemosphere*, **2019**, 223, 523-535	8.4	8
138	Ecotoxicity and environmental fates of newly recognized contaminants-artificial sweeteners: A review. *Science of the Total Environment*, **2019**, 653, 1149-1160	10.2	25
137	How Do Biocides That Occur in Waste Activated Sludge Affect the Resource Recovery for Short-Chain Fatty Acids Production. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 1648-1657	8.3	24
136	Adsorption characteristics of nitrite on natural filter medium: Kinetic, equilibrium, and site energy distribution studies. *Ecotoxicology and Environmental Safety*, **2019**, 169, 435-441	7	17
135	Synergistic effects of iron and persulfate on the efficient production of volatile fatty acids from waste activated sludge: Understanding the roles of bioavailable substrates, microbial community & activities, and environmental factors. *Biochemical Engineering Journal*, **2019**, 141, 71-79	4.2	26
134	Analysis of 17Ethinylestradiol and bisphenol A adsorption on anthracite surfaces by site energy distribution. *Chemosphere*, **2019**, 216, 59-68	8.4	21

133	Global Exponential Stability of Delayed Neural Networks Based on a New Integral Inequality. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 2318-2325	7.3	17
132	Accumulation of Citrulline by Microbial Arginine Metabolism during Alcoholic Fermentation of Soy Sauce. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 2108-2113	5.7	18
131	Evaluation of ethyl carbamate formation in Luzhou-flavor spirit during distillation and storage processes. *Food Bioscience*, **2018**, 23, 137-141	4.9	9
130	Inhibition of 1, 4-dioxane on the denitrification process by altering the viability and metabolic activity of Paracoccus denitrificans. *Environmental Science and Pollution Research*, **2018**, 25, 27274-27282	5.1	9
129	Efficient production of short-chain fatty acids from anaerobic fermentation of liquor wastewater and waste activated sludge by breaking the restrictions of low bioavailable substrates and microbial activity. *Bioresource Technology*, **2018**, 268, 549-557	11	34
128	Learning Under-Specified Object Manipulations from Human Demonstrations **2018**,		1
127	Refining Attention: A Sequential Attention Model for Image Captioning **2018**,		2
126	Molecular Engineering of Bacillus paralicheniformis Acid Urease To Degrade Urea and Ethyl Carbamate in Model Chinese Rice Wine. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 13011-13019	5.7	13
125	Characterization of a Lactobacillus brevis strain with potential oral probiotic properties. *BMC Microbiology*, **2018**, 18, 221	4.5	25
124	Image Captioning with Word Level Attention **2018**,		8
123	Characterization of potassium hydroxide modified anthracite particles and enhanced removal of 17α-ethinylestradiol and bisphenol A. *Environmental Science and Pollution Research*, **2018**, 25, 22224-22235	5.1	10
122	Improving anaerobic fermentation of waste activated sludge using iron activated persulfate treatment. *Bioresource Technology*, **2018**, 268, 68-76	11	62
121	A high-throughput screening procedure for enhancing pyruvate production in Candida glabrata by random mutagenesis. *Bioprocess and Biosystems Engineering*, **2017**, 40, 693-701	3.7	16
120	Quantitative evaluation on the characteristics of activated sludge granules and flocs using a fuzzy entropy-based approach. *Scientific Reports*, **2017**, 7, 42910	4.9	14
119	A LiDAR Odometry for Outdoor Mobile Robots Using NDT Based Scan Matching in GPS-denied environments **2017**,		6
118	Augmentation of acyl homoserine lactones-producing and -quenching bacterium into activated sludge for its granulation. *Water Research*, **2017**, 125, 309-317	12.5	34
117	Biosynthesis of keto acids by fed-batch culture of Yarrowia lipolytica WSH-Z06. *Bioresource Technology*, **2017**, 243, 1037-1043	11	27
116	Characterizing the free ammonia exposure to the nutrients removal in activated sludge systems. *RSC Advances*, **2017**, 7, 55088-55097	3.7	9

115	Predictive feature remapping before saccadic eye movements. *Journal of Vision*, **2017**, 17, 14	0.4	10
114	An in-depth analysis identifies two new independent signals in 11q23.3 associated with vitiligo in the Chinese Han population. *Journal of Dermatological Science*, **2017**, 88, 103-109	4.3	6
113	Comparative analysis of microbial community between different cathode systems of microbial fuel cells for denitrification. *Environmental Technology (United Kingdom)*, **2016**, 37, 752-61	2.6	8
112	Proteomic analysis of the response of Ekketoglutarate-producer Yarrowia lipolytica WSH-Z06 to environmental pH stimuli. *Applied Microbiology and Biotechnology*, **2016**, 100, 8829-41	5.7	5
111	Removal of heavy metal Cu(II) in simulated aquaculture wastewater by modified palygorskite. *Environmental Pollution*, **2016**, 219, 924-931	9.3	32
110	Comparative genomics analysis of a series of Yarrowia lipolytica WSH-Z06 mutants with varied capacity for Ekketoglutarate production. *Journal of Biotechnology*, **2016**, 239, 76-82	3.7	10
109	RGB-D based daily activity recognition for service robots using clustering with Gaussian Mixtures and FastDTW **2016**,		1
108	Characterization of a Bacillus amyloliquefaciens strain for reduction of citrulline accumulation during soy sauce fermentation. *Biotechnology Letters*, **2016**, 38, 1723-31	3	14
107	Improvement of long-term survival by cardiac contractility modulation in heart failure patients: A case-control study. *International Journal of Cardiology*, **2016**, 206, 122-6	3.2	30
106	Evaluation of the impact on food safety of a Lactobacillus coryniformis strain from pickled vegetables with degradation activity against nitrite and other undesirable compounds. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2016**, 33, 623-30	3.2	9
105	Using the dehydrogenase activity for alert of activated sludge system under different copper concentrations. *Desalination and Water Treatment*, **2016**, 57, 17836-17843		8
104	Outcompeting Presence of Acyl-Homoserine-Lactone (AHL)-Quenching Bacteria over AHL-Producing Bacteria in Aerobic Granules. *Environmental Science and Technology Letters*, **2016**, 3, 36-40	11	35
103	Importance of chronotropic response and left ventricular long-axis function for exercise performance in patients with heart failure and preserved ejection fraction. *International Journal of Cardiology*, **2016**, 202, 339-43	3.2	7
102	Biodegradation potential of polycyclic aromatic hydrocarbons by bacteria strains enriched from Yangtze River sediments. *Environmental Technology (United Kingdom)*, **2016**, 37, 513-20	2.6	21
101	Feasibility Study of Transthoracic Echocardiography for Coronary Slow Flow Phenomenon Evaluation: Validation by Coronary Angiography. *Microcirculation*, **2016**, 23, 277-82	2.9	1
100	Perceptual learning modifies the functional specializations of visual cortical areas. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 5724-9	11.5	40
99	Prognostic value of acoustic cardiography in patients with chronic heart failure. *International Journal of Cardiology*, **2016**, 219, 121-6	3.2	12
98	Chest distress in a young adult due to simultaneous occurrence of single left coronary artery anomaly and coronary-left ventricular fistula. *International Journal of Cardiology*, **2015**, 195, 37-9	3.2	

97	Ascending aortic obstruction with hypoplastic innominate artery. *International Journal of Cardiology*, **2015**, 199, 356-7	3.2	
96	The patient's selection of PARACHUTE endoventricular partitioning device: The important role of detailed echocardiography. *International Journal of Cardiology*, **2015**, 195, 176-9	3.2	1
95	A Rare Etiology of Severe Acute Heart Failure: Subacute Spinal Subdural Hematoma in a Young Woman. *International Journal of Cardiology*, **2015**, 195, 61-3	3.2	5
94	Detrimental effects of cardiac resynchronization therapy on the non-responders. *International Journal of Cardiology*, **2015**, 197, 203-5	3.2	1
93	Should all patients with heart block receive biventricular pacing? All heart block patients with a pacemaker indication should receive biventricular pacing: one move, double the gains?. *Circulation: Arrhythmia and Electrophysiology*, **2015**, 8, 722-9	6.4	6
92	Dextrocardia and symmetric hypertrophic cardiomyopathy with multiple mutations of genes encoding the sarcomere proteins. *International Journal of Cardiology*, **2015**, 187, 581-4	3.2	1
91	Advantageous effect of biventricular pacing on cardiac function and coronary flow: A case report. *International Journal of Cardiology*, **2015**, 190, 236-8	3.2	1
90	Predictors of mid-term functional tricuspid regurgitation after device closure of atrial septal defect in adults: Impact of pre-operative tricuspid valve remodeling. *International Journal of Cardiology*, **2015**, 187, 447-52	3.2	8
89	Successful repair of mitral valve with acute infective endocarditis located in anterior mitral leaflet: The evidence of Three-dimensional echocardiography. *International Journal of Cardiology*, **2015**, 190, 294-5	3.2	
88	Abnormal mitral-aortic intervalvular coupling in mitral valve diseases: a study using real-time three-dimensional transesophageal echocardiography. *Clinical Research in Cardiology*, **2015**, 104, 831-42	6.1	4
87	Fast and templatable path planning of spray painting robots for regular surfaces **2015**,		5
86	The perspective on cholesterol-lowering mechanisms of probiotics. *Molecular Nutrition and Food Research*, **2015**, 59, 94-105	5.9	112
85	Noncardiac comorbidities in heart failure with preserved ejection fraction - commonly ignored fact. *Circulation Journal*, **2015**, 79, 954-9	2.9	22
84	FC-NIRS: A Functional Connectivity Analysis Tool for Near-Infrared Spectroscopy Data. *BioMed Research International*, **2015**, 2015, 248724	3	35
83	Effects of metabolic uncouplers on excess sludge reduction and microbial products of activated sludge. *Bioresource Technology*, **2015**, 185, 1-6	11	35
82	Finite element analyses of compressive behaviors of biaxial warp-knitted composite material under various strain rates with a simplified geometrical model. *Journal of the Textile Institute*, **2015**, 106, 1013-1026	1.5	5
81	Deterioration of left ventricular systolic function in extended Pacing to Avoid Cardiac Enlargement (PACE) trial: the predictive value of early systolic dyssynchrony. *Europace*, **2015**, 17 Suppl 2, ii47-53	3.9	2
80	In-stent restenosis in a polytetrafluoroethylene covered stent combined with drug eluting stents: potential pathogenesis revealed by optical coherence tomography. *International Journal of Cardiology*, **2015**, 198, 42-4	3.2	2

79	Left ventricular long-axis performance during exercise is an important prognosticator in patients with heart failure and preserved ejection fraction. *International Journal of Cardiology*, **2015**, 178, 131-5	3.2	34
78	What can three-dimensional speckle-tracking echocardiography contribute to evaluate global left ventricular systolic performance in patients with heart failure?. *International Journal of Cardiology*, **2014**, 172, 132-7	3.2	22
77	A new absorbent by modifying walnut shell for the removal of anionic dye: kinetic and thermodynamic studies. *Bioresource Technology*, **2014**, 163, 199-205	11	138
76	Beyond auscultation: acoustic cardiography in clinical practice. *International Journal of Cardiology*, **2014**, 172, 548-60	3.2	30
75	Effect of paricalcitol on left ventricular mass and function in CKD--the OPERA trial. *Journal of the American Society of Nephrology: JASN*, **2014**, 25, 175-86	12.7	168
74	Embedded system design and implementation in novel automatic hematology analyzer **2014**,		2
73	Dynamic assessment of the changing geometry of the mitral apparatus in 3D could stratify abnormalities in functional mitral regurgitation and potentially guide therapy. *International Journal of Cardiology*, **2014**, 176, 878-84	3.2	10
72	Three-dimensional speckle strain echocardiography is more accurate and efficient than 2D strain in the evaluation of left ventricular function. *International Journal of Cardiology*, **2014**, 176, 360-6	3.2	36
71	Left anterior descending coronary artery flow impaired by right ventricular apical pacing: the role of systolic dyssynchrony. *International Journal of Cardiology*, **2014**, 176, 80-5	3.2	6
70	Characteristics of extracellular polymeric substances of phototrophic biofilms at different aquatic habitats. *Carbohydrate Polymers*, **2014**, 106, 1-6	10.3	34
69	Quantification of mitral valve morphology with three-dimensional echocardiography--can measurement lead to better management?. *Circulation Journal*, **2014**, 78, 1029-37	2.9	18
68	The prevalence and prognosis of resistant hypertension in patients with heart failure. *PLoS ONE*, **2014**, 9, e114958	3.7	11
67	Long-term follow-up results of the pacing to avoid cardiac enlargement (PACE) trial. *European Journal of Heart Failure*, **2014**, 16, 1016-25	12.3	32
66	The arginine deiminase pathway of koji bacteria is involved in ethyl carbamate precursor production in soy sauce. *FEMS Microbiology Letters*, **2014**, 358, 91-7	2.9	34
65	Changes of ventricular and peripheral performance in patients with heart failure and normal ejection fraction: insights from ergometry stress echocardiography. *European Journal of Heart Failure*, **2014**, 16, 888-97	12.3	14
64	Left atrial function in heart failure with impaired and preserved ejection fraction. *Current Opinion in Cardiology*, **2014**, 29, 430-6	2.1	25
63	Quantification of left ventricular performance in different heart failure phenotypes by comprehensive ergometry stress echocardiography. *International Journal of Cardiology*, **2013**, 169, 311-5	3.2	5
62	Early pacing-induced systolic dyssynchrony is a strong predictor of left ventricular adverse remodeling: analysis from the Pacing to Avoid Cardiac Enlargement (PACE) trial. *International Journal of Cardiology*, **2013**, 168, 723-8	3.2	39

61	Improved coronary artery blood flow following the correction of systolic dyssynchrony with cardiac resynchronization therapy. *International Journal of Cardiology*, **2013**, 167, 2167-71	3.2	27
60	Left atrial regional phasic strain, strain rate and velocity by speckle-tracking echocardiography: normal values and effects of aging in a large group of normal subjects. *International Journal of Cardiology*, **2013**, 168, 3473-9	3.2	56
59	Quantitative analysis of mitral valve morphology in mitral valve prolapse with real-time 3-dimensional echocardiography: importance of annular saddle shape in the pathogenesis of mitral regurgitation. *Circulation*, **2013**, 127, 832-41	16.7	119
58	Left ventricular systolic dyssynchrony in acute decompensated heart failure. *International Journal of Cardiology*, **2013**, 168, 4285-6	3.2	1
57	New insight into the catalytic properties of bile salt hydrolase. *Journal of Molecular Catalysis B: Enzymatic*, **2013**, 96, 46-51		16
56	Right ventricular long-axis response to different chronic loading conditions: its relevance to clinical symptoms. *International Journal of Cardiology*, **2013**, 167, 378-82	3.2	8
55	Variation in right ventricular volumes assessment by real-time three-dimensional echocardiography between dilated and normal right ventricle: comparison with cardiac magnetic resonance imaging. *International Journal of Cardiology*, **2013**, 168, 4391-3	3.2	6
54	Acoustic cardiography helps to identify heart failure and its phenotypes. *International Journal of Cardiology*, **2013**, 167, 681-6	3.2	17
53	Feasibility of single-beat full-volume capture real-time three-dimensional echocardiography for quantification of right ventricular volume: validation by cardiac magnetic resonance imaging. *International Journal of Cardiology*, **2013**, 168, 3991-5	3.2	41
52	TAPSE should be a routine clinical tool in assessing congenital heart diseases with right ventricular involvement. *International Journal of Cardiology*, **2013**, 167, 1647	3.2	2
51	Characterization of mid-term atrial geometrical and electrical remodeling following device closure of atrial septal defects in adults. *International Journal of Cardiology*, **2013**, 168, 467-71	3.2	13
50	Comparison of left ventricular reverse remodeling induced by cardiac contractility modulation and cardiac resynchronization therapy in heart failure patients with different QRS durations. *International Journal of Cardiology*, **2013**, 167, 889-93	3.2	13
49	Rapid bedside identification of high-risk population in heart failure with reduced ejection fraction by acoustic cardiography. *International Journal of Cardiology*, **2013**, 168, 1881-6	3.2	10
48	Functional groups characteristics of EPS in biofilm growing on different carriers. *Chemosphere*, **2013**, 92, 633-8	8.4	94
47	Quantification of left ventricular regional myocardial function using two-dimensional speckle tracking echocardiography in healthy volunteers--a multi-center study. *International Journal of Cardiology*, **2013**, 167, 495-501	3.2	65
46	Incremental value of global systolic dyssynchrony in determining the occurrence of functional mitral regurgitation in patients with left ventricular systolic dysfunction. *European Heart Journal*, **2013**, 34, 767-74	9.5	14
45	The healthcare burden of hypertension in Asia. *Heart Asia*, **2013**, 5, 238-43	1.9	21
44	Potential role of biventricular pacing beyond advanced systolic heart failure. *Circulation Journal*, **2013**, 77, 1364-9	2.9	11

43	Reduced Graphene Oxide/CuI Nanocomposite: An Efficient and Recyclable Catalyst for the N-Phenylation of Indole. *Chemistry Letters*, **2013**, 42, 709-710	1.7	5
42	Decision-Theoretical Navigation of Service Robots Using POMDPs with Human-Robot Co-Occurrence Prediction. *International Journal of Advanced Robotic Systems*, **2013**, 10, 143	1.4	4
41	Acute effects of right ventricular apical pacing on left atrial remodeling and function. *PACE - Pacing and Clinical Electrophysiology*, **2012**, 35, 856-62	1.6	9
40	Left atrial function assessed by tissue doppler imaging as a new predictor of cardiac events after non-ST-elevation acute coronary syndrome. *Echocardiography*, **2012**, 29, 785-92	1.5	10
39	Increased Rho kinase activity in congestive heart failure. *European Journal of Heart Failure*, **2012**, 14, 965-73	12.3	33
38	Left atrial remodeling and reduced atrial pump function after chronic right ventricular apical pacing in patients with preserved ejection fraction. *International Journal of Cardiology*, **2012**, 157, 364-9	3.2	14
37	New pulmonary vein Doppler echocardiographic index predicts significant interatrial shunting in secundum atrial septal defect. *International Journal of Cardiology*, **2012**, 160, 59-65	3.2	10
36	Two-dimensional speckle-tracking echocardiography is more accurate than tissue Doppler imaging in assessing regional atrial deformation: a study in patients after transcatheter atrial septal defect closure. *International Journal of Cardiology*, **2012**, 162, 64-5	3.2	6
35	A twofold-interpolation-based path planning algorithm and its path following based on improved virtual vehicle method. *International Journal of Control, Automation and Systems*, **2012**, 10, 186-191	2.9	1
34	Atrial dysfunction and interatrial dyssynchrony predict atrial high rate episodes: insight into the distinct effects of right atrial appendage pacing. *Journal of Cardiovascular Electrophysiology*, **2012**, 23, 384-90	2.7	6
33	LV mechanical dyssynchrony in heart failure with preserved ejection fraction complicating acute coronary syndrome. *JACC: Cardiovascular Imaging*, **2011**, 4, 348-57	8.4	16
32	A novel multi-layer approach of measuring myocardial strain and torsion by 2D speckle tracking imaging in normal subjects and patients with heart diseases. *International Journal of Cardiology*, **2011**, 147, 32-7	3.2	29
31	Deciphering the mysteries of crisscross heart by transthoracic echocardiography. *Echocardiography*, **2011**, 28, 104-8	1.5	5
30	Prevalence and determinants of incomplete right atrial reverse remodeling after device closure of atrial septal defects. *American Journal of Cardiology*, **2011**, 108, 114-9	3	15
29	Improved Rao-Blackwellized particle filter for simultaneous robot localization and person-tracking with single mobile sensor. *Journal of Control Theory and Applications*, **2011**, 9, 472-478		5
28	Diverse patterns of longitudinal and radial dyssynchrony in patients with advanced systolic heart failure. *Heart*, **2011**, 97, 574-8	5.1	6
27	Deleterious effect of right ventricular apical pacing on left ventricular diastolic function and the impact of pre-existing diastolic disease. *European Heart Journal*, **2011**, 32, 1891-9	9.5	31
26	Biventricular pacing is superior to right ventricular pacing in bradycardia patients with preserved systolic function: 2-year results of the PACE trial. *European Heart Journal*, **2011**, 32, 2533-40	9.5	86

25	Prevalence and determinants of left ventricular systolic dyssynchrony in patients with normal ejection fraction received right ventricular apical pacing: a real-time three-dimensional echocardiographic study. *European Journal of Echocardiography*, **2010**, 11, 109-18		24
24	A Novel Integrated Approach to the Enhanced Production of Polyhydrobutyrate with Mixed Culture in Activated Sludge. *Industrial & Engineering Chemistry Research*, **2010**, 49, 7478-7483	3.9	2
23	An integrated approach to identify the influential priority of the factors governing anaerobic H2 production by mixed cultures. *Water Research*, **2010**, 44, 3234-42	12.5	14
22	Long-term formation of microbial products in a sequencing batch reactor. *Water Research*, **2010**, 44, 3787-96	12.5	40
21	Framework design for distributed service robotic systems **2010**,		1
20	Genetic tools for investigating the biology of commensal lactobacilli. *Frontiers in Bioscience - Landmark*, **2009**, 14, 3111-27	2.8	17
19	Allelic variation of bile salt hydrolase genes in Lactobacillus salivarius does not determine bile resistance levels. *Journal of Bacteriology*, **2009**, 191, 5743-57	3.5	62
18	Border ownership selectivity in human early visual cortex and its modulation by attention. *Journal of Neuroscience*, **2009**, 29, 460-5	6.6	55
17	Biventricular pacing in patients with bradycardia and normal ejection fraction. *New England Journal of Medicine*, **2009**, 361, 2123-34	59.2	314
16	Kinetic analysis on the two-step processes of AOB and NOB in aerobic nitrifying granules. *Applied Microbiology and Biotechnology*, **2009**, 83, 1159-69	5.7	39
15	Formation of aerobic granules and their PHB production at various substrate and ammonium concentrations. *Bioresource Technology*, **2009**, 100, 59-63	11	40
14	Estimating the kinetic parameters of activated sludge storage using weighted non-linear least-squares and accelerating genetic algorithm. *Water Research*, **2009**, 43, 2595-604	12.5	33
13	Scene specified control for internet-based mobile robot operation **2009**,		1
12	Difference in prevalence and pattern of mechanical dyssynchrony in left bundle branch block occurring in right ventricular apical pacing versus systolic heart failure. *American Heart Journal*, **2008**, 156, 989-95	4.9	14
11	Improvement of left atrial function is associated with lower incidence of atrial fibrillation and mortality after cardiac resynchronization therapy. *Heart Rhythm*, **2008**, 5, 780-6	6.7	33
10	Characterization of endogenous plasmids from Lactobacillus salivarius UCC118. *Applied and Environmental Microbiology*, **2008**, 74, 3216-28	4.8	41
9	Crowding alters the spatial distribution of attention modulation in human primary visual cortex. *Journal of Vision*, **2008**, 8, 6.1-9	0.4	29
8	Identification of unusual conditions after atrial septal defect repair by systematic transthoracic echocardiographic assessment. *Echocardiography*, **2008**, 25, 1094-100	1.5	2

7	Improvement of atrial function and atrial reverse remodeling after cardiac resynchronization therapy for heart failure. *Journal of the American College of Cardiology*, **2007**, 50, 778-85	15.1	70
6	The Pacing to Avoid Cardiac Enlargement (PACE) trial: clinical background, rationale, design, and implementation. *Journal of Cardiovascular Electrophysiology*, **2007**, 18, 735-9	2.7	14
5	Adventitious shoot regeneration of Platanus acerifolia Willd. facilitated by Timentin, an antibiotic for suppression of Agrobacterium tumefaciens in genetic transformation. *Forestry Studies in China*, **2007**, 9, 14-18		4
4	Distribution of megaplasmids in Lactobacillus salivarius and other lactobacilli. *Journal of Bacteriology*, **2007**, 189, 6128-39	3.5	50
3	Prediction and Experimental Testing of Spherical Milling Media Wear Rate. *Materials Transactions*, **2005**, 46, 2036-2040	1.3	3
2	RAPD and large subunit nuclear rDNA sequence analyses of the entomogenous fungus Aschersonia. *Chinese Journal of Agricultural Biotechnology*, **2005**, 2, 85-90		
1	Food-grade expression of multicopper oxidase with improved capability in degrading biogenic amines. *Systems Microbiology and Biomanufacturing*,1		0