

Wentao Wang

List of Publications by Year in descending order

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38
papers

1,010
citations

567281

15
h-index

610901

24
g-index

40
all docs

40
docs citations

40
times ranked

1095
citing authors

#	ARTICLE	IF	CITATIONS
1	An improved ultrasonic computerized tomography (UCT) technique for damage localization based on compressive sampling (CS) theory. Structural Control and Health Monitoring, 2022, 29, .	4.0	10
2	Embedded compressive sampling (CS) algorithm under ultra-low rate wireless communication for long-term bridge monitoring. , 2022, , .		0
3	AbSE Workflow: Rapid Identification of the Coding Sequence and Linear Epitope of the Monoclonal Antibody at the Single-cell Level. ACS Synthetic Biology, 2022, 11, 1856-1864.	3.8	0
4	Generation of selective single-mode guided waves by d₃₆ type piezoelectric wafer. Applied Physics Letters, 2022, 120, 214101.	3.3	0
5	Compressive samplingâ€based ultrasonic computerized tomography technique for damage detection in concrete-filled steel tube in a bridge. International Journal of Distributed Sensor Networks, 2021, 17, 155014772098611.	2.2	0
6	In Situ Structural Health Monitoring of Structurally Renewed Water Transmission Pipes. , 2021, , .		2
7	Quantitative assessment of compress-type osseointegrated prosthetic implants in human bone using electromechanical impedance spectroscopic methods. Biomedical Engineering Letters, 2020, 10, 129-147.	4.1	3
8	Carbon fiber-assisted iron carbide nanoparticles as an efficient catalyst <i>via</i> peroxymonosulfate activation for organic contaminant removal. Catalysis Science and Technology, 2019, 9, 4365-4373.	4.1	9
9	PEG/3D graphene oxide network form-stable phase change materials with ultrahigh filler content. Journal of Materials Chemistry A, 2019, 7, 21371-21377.	10.3	90
10	Thermal-Responsive Photonic Crystal with Function of Color Switch Based on Thermochromic System. ACS Applied Materials & Interfaces, 2019, 11, 39125-39131.	8.0	70
11	MXene Ti₃C₂T_x for phase change composite with superior photothermal storage capability. Journal of Materials Chemistry A, 2019, 7, 14319-14327.	10.3	235
12	Research on 355â€nm all-solid-state ultraviolet laser processing through silicon holes. Journal of Laser Applications, 2019, 31, 022003.	1.7	0
13	Satellite-Based Wireless Sensor Development and Deployment Studies for Surface Wave Testing. Sensors, 2019, 19, 4364.	3.8	1
14	Sparse representation for Lamb-wave-based damage detection using a dictionary algorithm. Ultrasonics, 2018, 87, 48-58.	3.9	46
15	Experimental and numerical validation of guided wave phased arrays integrated within standard data acquisition systems for structural health monitoring. Structural Control and Health Monitoring, 2018, 25, e2171.	4.0	22
16	Accurate Sparse Recovery of Rayleigh Wave Characteristics Using Fast Analysis of Wave Speed (FAWS) Algorithm for Soft Soil Layers. Applied Sciences (Switzerland), 2018, 8, 1204.	2.5	1
17	IWSHM 2017: Application of guided wave methods to quantitatively assess healing in osseointegrated prostheses. Structural Health Monitoring, 2018, 17, 1377-1392.	7.5	14
18	Identification of bone fracture in osseointegrated prostheses using Rayleigh wave methods. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	The application of compressive sampling in rapid ultrasonic computerized tomography (UCT) technique of steel tube slab (STS). PLoS ONE, 2018, 13, e0190281.	2.5	16
20	Numerical and experimental simulation of linear shear piezoelectric phased arrays for structural health monitoring. , 2017, , .		1
21	Improved Ultrasonic Computerized Tomography Method for STS (Steel Tube Slab) Structure Based on Compressive Sampling Algorithm. Applied Sciences (Switzerland), 2017, 7, 432.	2.5	14
22	Ultrasonic longitudinal waves to monitor the integration of titanium rods with host bone. Proceedings of SPIE, 2017, , .	0.8	0
23	In-plane shear piezoelectric wafer active sensor phased arrays for structural health monitoring. , 2016, , .		0
24	The study of compressive sampling in ultrasonic computerized tomography. Proceedings of SPIE, 2015, , .	0.8	0
25	The study of damage identification based on compressive sampling. Proceedings of SPIE, 2015, , .	0.8	1
26	Fatigue damage monitoring and evolution for basalt fiber reinforced polymer materials. Smart Structures and Systems, 2014, 14, 307-325.	1.9	7
27	Identification of source location by using compressive approach. Proceedings of SPIE, 2013, , .	0.8	0
28	Fatigue damage monitoring for basalt fiber reinforced polymer composites using acoustic emission technique. Proceedings of SPIE, 2012, , .	0.8	0
29	Highly enantioselective yttrium(iii)-catalyzed Friedelâ€“Crafts alkylation of Î²-trichloro(trifluoro)methyl aryl enones with indoles. Chemical Communications, 2011, 47, 7821.	4.1	47
30	Study on theoretic model of metallic pseudo rubber based on contact microbeams theory and finite element simulation. , 2011, , .		0
31	Highly Enantioselective Direct Michael Addition of 1<i>H</i>â€“Benzotriazole to Chalcones Catalyzed by Sc(OTf) ₃ </sub>/<i>N</i>, <i>N</i>â€“Dioxide Complex. European Journal of Organic Chemistry, 2011, 2039-2042.	2.4	22
32	Recent Progress in the Chemically Catalyzed Enantioselective Synthesis of Cyanohydrins. European Journal of Organic Chemistry, 2010, 2010, 4751-4769.	2.4	105
33	Highly Enantioselective Zincâ€“Catalyzed Friedelâ€“Crafts Alkylation of Indoles with Ethyl Trifluoropyruvate. Advanced Synthesis and Catalysis, 2010, 352, 3174-3178.	4.3	31
34	Highly Enantioselective Synthesis of Î²â€“Heteroarylâ€“Substituted Dihydrochalcones Through Friedelâ€“Crafts Alkylation of Indoles and Pyrrole. Chemistry - A European Journal, 2010, 16, 1664-1669.	3.3	84
35	Highly enantioselective synthesis of 1,3-bis(hydroxymethyl)-2-oxindoles from unprotected oxindoles and formalin using a chiral NdIII complex. Chemical Science, 2010, 1, 590.	7.4	58
36	Asymmetric Cyanoethoxycarbonylation of Aldehydes Catalyzed by Heterobimetallic Aluminum Lithium Bis(binaphthoxide) and Cinchonine. Advanced Synthesis and Catalysis, 2007, 349, 343-349.	4.3	43

#	ARTICLE	IF	CITATIONS
37	Guided Wave Analysis of Osseointegration at Bone-prosthesis Interfaces. , 0, , .		0
38	Development of a Shipboard Wireless Monitoring System to Monitor Ship Crews during Extreme Blast Load Exposure. , 0, , .		0