Wentao Wang

List of Publications by Year
in descending order

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38	1,010	567281 15	610901 24
papers	citations	h-index	g-index

40	40	40	1095
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MXene Ti₃C₂T_x for phase change composite with superior photothermal storage capability. Journal of Materials Chemistry A, 2019, 7, 14319-14327.	10.3	235
2	Recent Progress in the Chemically Catalyzed Enantioselective Synthesis of Cyanohydrins. European Journal of Organic Chemistry, 2010, 2010, 4751-4769.	2.4	105
3	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
4	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
5	Thermal-Responsive Photonic Crystal with Function of Color Switch Based on Thermochromic System. ACS Applied Materials & Interfaces, 2019, 11, 39125-39131.	8.0	70
6	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
7	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
8	Sparse representation for Lamb-wave-based damage detection using a dictionary algorithm. Ultrasonics, 2018, 87, 48-58.	3.9	46
9	Asymmetric Cyanoethoxycarbonylation of Aldehydes Catalyzed by Heterobimetallic Aluminum Lithium Bis(binaphthoxide) and Cinchonine. Advanced Synthesis and Catalysis, 2007, 349, 343-349.	4.3	43
10	Highly Enantioselective Zincâ€Catalyzed Friedelâ€“Crafts Alkylation of Indoles with Ethyl Trifluoropyruvate. Advanced Synthesis and Catalysis, 2010, 352, 3174-3178.	4.3	31
11	Highly Enantioselective Direct Michael Addition of 1Hâ€Benzotriazole to Chalcones Catalyzed by Sc(OTf)₃/N,Nâ€²â€Dioxide Complex. European Journal of Organic Chemistry, 2011, 2011, 2039-2042.	2.4	22
12	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
13	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
14	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
15	IWSHM 2017: Application of guided wave methods to quantitatively assess healing in osseointegrated prostheses. Structural Health Monitoring, 2018, 17, 1377-1392.	7.5	14
16	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
17	Carbon fiber-assisted iron carbide nanoparticles as an efficient catalyst via peroxymonosulfate activation for organic contaminant removal. Catalysis Science and Technology, 2019, 9, 4365-4373.	4.1	9
18	Fatigue damage monitoring and evolution for basalt fiber reinforced polymer materials. Smart Structures and Systems, 2014, 14, 307-325.	1.9	7

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19	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
20	In Situ Structural Health Monitoring of Structurally Renewed Water Transmission Pipes. , 2021, , .		2
21	The study of damage identification based on compressive sampling. Proceedings of SPIE, 2015, , .	0.8	1
22	Numerical and experimental simulation of linear shear piezoelectric phased arrays for structural health monitoring. , 2017, , .		1
23	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
24	Satellite-Based Wireless Sensor Development and Deployment Studies for Surface Wave Testing. Sensors, 2019, 19, 4364.	3.8	1
25	Identification of bone fracture in osseointegrated prostheses using Rayleigh wave methods. , 2018, , .		1
26	Study on theoretic model of metallic pseudo rubber based on contact microbeams theory and finite element simulation. , 2011, , .		0
27	Fatigue damage monitoring for basalt fiber reinforced polymer composites using acoustic emission technique. Proceedings of SPIE, 2012, , .	0.8	0
28	Identification of source location by using compressive approach. Proceedings of SPIE, 2013, , .	0.8	0
29	The study of compressive sampling in ultrasonic computerized tomography. Proceedings of SPIE, 2015, , .	0.8	0
30	In-plane shear piezoelectric wafer active sensor phased arrays for structural health monitoring. , 2016, , .		0
31	Research on 355â€‰nm all-solid-state ultraviolet laser processing through silicon holes. Journal of Laser Applications, 2019, 31, 022003.	1.7	0
32	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
33	Ultrasonic longitudinal waves to monitor the integration of titanium rods with host bone. Proceedings of SPIE, 2017, , .	0.8	0
34	Guided Wave Analysis of Osseointegration at Bone-prosthesis Interfaces. , 0, , .		0
35	Development of a Shipboard Wireless Monitoring System to Monitor Ship Crews during Extreme Blast Load Exposure. , 0, , .		0
36	Embedded compressive sampling (CS) algorithm under ultra-low rate wireless communication for long-term bridge monitoring. , 2022, , .		0

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37	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
38	Generation of selective single-mode guided waves by d₃₆ type piezoelectric wafer. Applied Physics Letters, 2022, 120, 214101.	3.3	0