

# Xiaodong Xu

## List of Publications by Year in descending order

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49  
papers

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citations

840776

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docs citations

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times ranked

834  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quality inspection of micro solder joints in laser spot welding by laser ultrasonic method. <i>Ultrasonics</i> , 2022, 118, 106567.	3.9	6
2	A Comprehensive Review on Epoxy Biocomposites Based on Natural Fibers and Bio-fillers: Challenges, Recent Developments and Applications. <i>Advanced Fiber Materials</i> , 2022, 4, 683-704.	16.1	22
3	Remote in-line evaluation of acousto-elastic effects during elastic-plastic transition in an aluminum plate under uniaxial tensile and dynamic fatigue loading by laser generated, optically detected surface acoustic waves. <i>AIP Advances</i> , 2022, 12, .	1.3	2
4	Preparation of electrospun polyvinylidene fluoride/amidoximized polyacrylonitrile nanofibers for trace metal ions removal from contaminated water. <i>Journal of Porous Materials</i> , 2021, 28, 383-392.	2.6	15
5	Design of a digital control system of gyroscope. <i>Modern Physics Letters B</i> , 2021, 35, 2150242.	1.9	1
6	Analysis for angular dispersions of surface acoustic wave velocities in BCC crystals. <i>Ultrasonics</i> , 2021, 113, 106374.	3.9	0
7	Design of a digital control system of disk gyroscope with orthogonal control circuit. <i>Modern Physics Letters B</i> , 2021, 35, 2150432.	1.9	1
8	Weld quality inspection of small-diameter thin-walled pipes by a laser ultrasonic method. <i>Applied Optics</i> , 2020, 59, 3538.	1.8	8
9	Characterization of Texture Evolution during Recrystallization by Laser-Induced Transient Thermal Grating Method. <i>Metals</i> , 2019, 9, 288.	2.3	4
10	RGD peptide-based non-viral gene delivery vectors targeting integrin $\alpha_3\beta_1$ for cancer therapy. <i>Journal of Drug Targeting</i> , 2019, 27, 1-11.	4.4	83
11	Synthesis and characterization of $[\text{Cu}(\text{N-Melm})_4(\text{BF}_4)_2]$ in ionic liquid. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 8-12.	2.6	6
12	Reinforcement of Stearic Acid Treated Egg Shell Particles in Epoxy Thermosets: Structural, Thermal, and Mechanical Characterization. <i>Materials</i> , 2018, 11, 1872.	2.9	31
13	Bioinspired Antioxidant Defense System Constructed by Antioxidants-Eluting Electrospun F127-Based Fibers. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 38313-38322.	8.0	21
14	A Novel 3D Nonstationary Channel Model Based on the von Mises-Fisher Scattering Distribution. <i>Mobile Information Systems</i> , 2016, 2016, 1-9.	0.6	5
15	Hierarchical Polymer Brushes with Dominant Antibacterial Mechanisms Switching from Bactericidal to Bacteria Repellent. <i>Biomacromolecules</i> , 2016, 17, 1696-1704.	5.4	126
16	Hydrothermal syntheses of CuO, CuO/Cu <sub>2</sub> O, Cu <sub>2</sub> O, Cu <sub>2</sub> O/Cu and Cu microcrystals using ionic liquids. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 530-533.	2.6	8
17	Channel Modeling and Estimation for OFDM Systems in High-Speed Trains Scenarios. , 2016, , .		6
18	A generalized algorithm for the generation of arbitrary correlated Nakagami fading channels. , 2016, , .		3

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19	Thermal Behavior of Polypropylene-g-glycidyl Methacrylate Prepared by Melt Grafting. Journal of Macromolecular Science - Physics, 2015, 54, 32-44.	1.0	7
20	Manipulating acoustic flow by using inhomogeneous anisotropic density-near-zero metamaterials. Applied Physics Letters, 2015, 106, .	3.3	11
21	Imaging of transient surface acoustic waves by full-field photorefractive interferometry. Review of Scientific Instruments, 2015, 86, 053107.	1.3	11
22	Binary release of ascorbic acid and lecithin from core-shell nanofibers on blood-contacting surface for reducing long-term hemolysis of erythrocyte. Colloids and Surfaces B: Biointerfaces, 2015, 125, 28-33.	5.0	9
23	Improving hemocompatibility of polypropylene via surface-initiated atom transfer radical polymerization for covalently coupling BSA. RSC Advances, 2014, 4, 24842-24851.	3.6	25
24	Rate loss caused by limited feedback and channel delay in interference alignment. , 2013, , .		1
25	Preparation and Characterization of Poly (Acrylonitrile-co-1-Acryloylpyrrolidine- 2-Carboxylic Acid) with High Molecular Weight. Journal of Macromolecular Science - Physics, 2013, 52, 1298-1308.	1.0	4
26	Energy-efficient power control for Fractional Frequency Reuse. , 2013, , .		1
27	Optimal and efficient power allocation for OFDM non-coherent cooperative transmission. , 2012, , .		1
28	Joint scheduling and resource allocation based on genetic algorithm for coordinated multi-point transmission using adaptive modulation. , 2012, , .		4
29	Dual Decomposition Based Power Allocation for Downlink OFDM Non-Coherent Cooperative Transmission System. , 2012, , .		1
30	Compressive sensing based indoor positioning with denosing and filtering in LF space. , 2012, , .		8
31	Achievable energy efficiency in cooperative transmission system with frequency-selective power allocation. , 2012, , .		2
32	Joint Scheduling and Power Control in Coordinated Multi-Point Clusters. , 2011, , .		20
33	Clustering strategy based on graph method and power control for frequency resource management in femtocell and macrocell overlaid system. Journal of Communications and Networks, 2011, 13, 664-677.	2.6	38
34	Multiuser Pairing in Uplink CoMP MU-MIMO Systems Using Particle Swarm Optimization. , 2011, , .		4
35	Downlink Radio Resource Allocation for Coordinated Cellular OFDMA Networks. IEICE Transactions on Communications, 2010, E93.B, 3480-3488.	0.7	7
36	On the Performance of Joint Processing Schemes over the Cluster Area. , 2010, , .		17

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37	Resource Allocation in Multiuser OFDM System Based on Ant Colony Optimization. , 2010, , .		15
38	A Novel Frequency Reuse Scheme for Coordinated Multi-Point Transmission. , 2010, , .		20
39	A novel capacity analysis for femtocell networks with optimal power and sub-channel adaptation. , 2010, , .		1
40	Design of Image Data Compression IP Core Based on Processor Local Bus. , 2010, , .		0
41	Partial Joint Processing for Frequency Selective Channels. , 2010, , .		10
42	An Inter-Cell Interference Mitigation Method for OFDM-Based Cellular Systems Using Independent Component Analysis. IEICE Transactions on Communications, 2009, E92-B, 3034-3042.	0.7	1
43	A tunable acoustic filter made by periodical structured materials. Applied Physics Letters, 2009, 94, .	3.3	18
44	Channel Allocation Based on Kalman Filter Prediction for Downlink OFDMA Systems. , 2009, , .		5
45	Customer Satisfaction Based Resource Allocation for OFDM System with Multimedia Traffic. , 2009, , .		0
46	Microwave-Assisted Synthesis and Characterization of CuO Nanocrystals. Journal of Dispersion Science and Technology, 2008, 29, 508-513.	2.4	21
47	Effect of loading a plate with different liquids on the propagation of lamb-like waves studied by laser ultrasonics. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 675-685.	3.0	15
48	Maximum Utility Principle Slide Handover Strategy for Multi-Antenna Cellular Architecture. , 2008, , .		2
49	Comment on "Influence of dielectric core and embedding medium on the local field enhancement for gold nanoshells". Appl. Phys. 100, 026104 (2006)]. Journal of Applied Physics, 2007, 102, 086106.	2.5	1