

Nan Gao

List of Publications by Year in descending order

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papers

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times ranked

1513
citing authors

#	ARTICLE	IF	CITATIONS
1	Density functional theory calculations for two-dimensional silicene with halogen functionalization. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 257-261.	2.8	191
2	Mid-Infrared Tunable Laser-Based Broadband Fingerprint Absorption Spectroscopy for Trace Gas Sensing: A Review. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 338.	2.5	106
3	Radio Frequency Identification and Sensing Techniques and Their Applications—A Review of the State-of-the-Art. <i>Sensors</i> , 2019, 19, 4012.	3.8	89
4	Cooperative Electron—Phonon Coupling and Buckled Structure in Germanene on Au(111). <i>ACS Nano</i> , 2017, 11, 3553-3559.	14.6	75
5	Direct synthesis and in situ characterization of monolayer parallelogrammic rhenium diselenide on gold foil. <i>Communications Chemistry</i> , 2018, 1, .	4.5	58
6	Full-field 3D shape measurement of discontinuous specular objects by direct phase measuring deflectometry. <i>Scientific Reports</i> , 2017, 7, 10293.	3.3	51
7	Generic exponential fringe model for alleviating phase error in phase measuring profilometry. <i>Optics and Lasers in Engineering</i> , 2018, 110, 179-185.	3.8	37
8	Selecting electrode materials for monolayer ReS_2 with an Ohmic contact. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6764-6770.	5.5	34
9	Cost-Effective Wearable Indoor Localization and Motion Analysis via the Integration of UWB and IMU. <i>Sensors</i> , 2020, 20, 344.	3.8	34
10	Phase measuring deflectometry for obtaining 3D shape of specular surface: a review of the state-of-the-art. <i>Optical Engineering</i> , 2021, 60, .	1.0	30
11	Recent Progress in Sensing and Computing Techniques for Human Activity Recognition and Motion Analysis. <i>Electronics (Switzerland)</i> , 2020, 9, 1357.	3.1	28
12	Identifying the Non-Identical Outermost Selenium Atoms and Invariable Band Gaps across the Grain Boundary of Anisotropic Rhenium Diselenide. <i>ACS Nano</i> , 2018, 12, 10095-10103.	14.6	25
13	Realization of Strained Stanene by Interface Engineering. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1558-1565.	4.6	25
14	Detection of methyl mercaptan with a 3393-nm distributed feedback interband cascade laser. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	2.2	22
15	Interaction between Post-Graphene Group-IV Honeycomb Monolayers and Metal Substrates: Implication for Synthesis and Structure Control. <i>Journal of Physical Chemistry C</i> , 2017, 121, 5123-5129.	3.1	21
16	Person Recognition Using 3-D Palmprint Data Based on Full-Field Sinusoidal Fringe Projection. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 3287-3298.	4.7	19
17	Putative epidermal stem cell convert into corneal epithelium-like cell under corneal tissue in vitro. <i>Science in China Series C: Life Sciences</i> , 2007, 50, 101-110.	1.3	16
18	Measurement of the Three-Dimensional Shape of Discontinuous Specular Objects Using Infrared Phase-Measuring Deflectometry. <i>Sensors</i> , 2019, 19, 4621.	3.8	12

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19	Monolayered semiconducting GeAsSe and SnSbTe with ultrahigh hole mobility. <i>Frontiers of Physics</i> , 2018, 13, 1.	5.0	11
20	Calibration of the Relative Orientation between Multiple Depth Cameras Based on a Three-Dimensional Target. <i>Sensors</i> , 2019, 19, 3008.	3.8	11
21	Parametric vibrations and instabilities of an elliptical gear pair. <i>JVC/Journal of Vibration and Control</i> , 2020, 26, 1721-1734.	2.6	11
22	Distance Calibration between Reference Plane and Screen in Direct Phase Measuring Deflectometry. <i>Sensors</i> , 2018, 18, 144.	3.8	9
23	Strongly Hole-Doped and Highly Decoupled Graphene on Platinum by Water Intercalation. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3998-4002.	4.6	9
24	HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY AND GAS CHROMATOGRAPHY-MS MASS SPECTROMETRY METHODS FOR THE DETERMINATION OF IMIDACLOPRID, CHLORPYRIFOS, AND BIFENTHRIN RESIDUES IN TEA LEAVES. <i>Instrumentation Science and Technology</i> , 2014, 42, 267-277.	1.8	8
25	Research on the tension control method of lithium battery electrode mill based on GA optimized Fuzzy PID. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 40, 10211-10234.	1.4	7
26	Analysis of MCPA and TCP in water by liquid chromatography-ion trap-electrospray tandem mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 594-605.	3.3	6
27	Improvement of sulfamethoxazole (SMX) elimination and inhibition of formations of hydroxylamine-SMX and N4-acetyl-SMX by membrane bioreactor systems. <i>Biodegradation</i> , 2018, 29, 245-258.	3.0	6
28	Joint Attention Mechanisms for Monocular Depth Estimation With Multi-Scale Convolutions and Adaptive Weight Adjustment. <i>IEEE Access</i> , 2020, 8, 184437-184450.	4.2	6
29	Exponential fringe projection for alleviating phase error caused by gamma distortion based on principal component analysis. <i>Optical Engineering</i> , 2018, 57, 1.	1.0	6
30	The Design of an Intelligent High-Speed Loom Industry Interconnection Remote Monitoring System. <i>Wireless Personal Communications</i> , 2020, 113, 2167-2187.	2.7	5
31	Integrated Sensing and Computing for Wearable Human Activity Recognition with MEMS IMU and BLE Network. <i>Measurement Science Review</i> , 2022, 22, 193-201.	1.0	4
32	3D palmprint identification using blocked histogram and improved sparse representation-based classifier. <i>Neural Computing and Applications</i> , 2020, 32, 12547-12560.	5.6	3
33	Decentralized Self-Organizing Networks for Poor Reconfigurability of Loom Networks. <i>IEEE Access</i> , 2022, 10, 50487-50499.	4.2	3
34	Research on the implementation method of loom monitoring. <i>SN Applied Sciences</i> , 2022, 4, 1.	2.9	0