Xianguo Tuo

List of Publications by Year
in descending order

50	358	840776	888059
papers	citations	11	17
		h-index	g-index

50	50	50	330
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Heterostructured ZnFe2O4/Fe2TiO5/TiO2 Composite Nanotube Arrays with an Improved Photocatalysis Degradation Efficiency Under Simulated Sunlight Irradiation. Nano-Micro Letters, 2018, 10, 17.	27.0	46
2	Fast Convergence Time Synchronization in Wireless Sensor Networks Based on Average Consensus. IEEE Transactions on Industrial Informatics, 2020, 16, 1120-1129.	11.3	45
3	Rapid-Flooding Time Synchronization for Large-Scale Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2020, 16, 1581-1590.	11.3	32
4	Uranium(VI) adsorption on montmorillonite colloid. Journal of Radioanalytical and Nuclear Chemistry, 2020, 324, 541-549.	1.5	19
5	Adsorption of uranium(VI) from groundwater by amino-functionalized clay. Journal of Radioanalytical and Nuclear Chemistry, 2021, 327, 1365-1373.	1.5	18
6	Multiple Two-Way Time Message Exchange (TTME) Time Synchronization for Bridge Monitoring Wireless Sensor Networks. Sensors, 2017, 17, 1027.	3.8	17
7	Synthesis and characterization of CTAB-modified bentonite composites for the removal of Cs+. Journal of Radioanalytical and Nuclear Chemistry, 2021, 329, 451-461.	1.5	14
8	(Ce-Al)-oxide pillared bentonite: A high affinity sorbent for plutonium. Journal of Hazardous Materials, 2018, 352, 121-129.	12.4	13
9	Novel Maximum Likelihood Estimation of Clock Skew in One-Way Broadcast Time Synchronization. IEEE Transactions on Industrial Electronics, 2020, 67, 9948-9957.	7.9	13
10	Novel Wavelet Threshold Denoising Method to Highlight the First Break of Noisy Microseismic Recordings. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	12
11	Sorption of plutonium on geological materials associated with a Chinese radioactive waste repository: influence of pH. Journal of Radioanalytical and Nuclear Chemistry, 2016, 308, 895-903.	1.5	11
12	Chaos control and circuit implementation of a class of double‑wing chaotic system. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2019, 32, e2611.	1.9	9
13	Leader-Following Consensus Control for Multiple Fixed-Wing UAVs' Attitude System With Time Delays and External Disturbances. IEEE Access, 2019, 7, 169773-169781.	4.2	9
14	A statistical approach to fit Gaussian part of full-energy peaks from Si(PIN) and SDD X-ray spectrometers. Science China Technological Sciences, 2014, 57, 19-24.	4.0	8
15	Step-approximation SNIP background-elimination algorithm for HPGe gamma spectra. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 885, 60-66.	1.6	8
16	Study on the uranium (U($â…¥$)) adsorption stability of high-dose $Î³$-ray-irradiated clay. Applied Radiation and Isotopes, 2022, 181, 110102.	1.5	7
17	Fast adaptive particle spectrum fitting algorithm based on moment-estimated initial parameters. Applied Radiation and Isotopes, 2017, 129, 1-5.	1.5	6
18	A peak shape model with high-energy tailing for high-resolution alpha-particle spectra. European Physical Journal A, 2019, 55, 1.	2.5	6

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19	Model-Based Pileup Events Correction via Kalman-Filter Tunnels. IEEE Transactions on Nuclear Science, 2019, 66, 528-535.	2.0	6
20	Pore structure and plutonium retention in fractal-like (Ce Al)-oxide Laponite clusters. Applied Clay Science, 2020, 198, 105799.	5.2	6
21	Pile-up pulse continuous zone reject method. Applied Radiation and Isotopes, 2020, 165, 109319.	1.5	6
22	Near-Infrared Spectral Characteristic Extraction and Qualitative Analysis Method for Complex Multi-Component Mixtures Based on TRPCA-SVM. Sensors, 2022, 22, 1654.	3.8	6
23	Recognition of Rock Micro-Fracture Signal Based on Deep Convolution Neural Network Inception Algorithm. IEEE Access, 2021, 9, 89390-89399.	4.2	5
24	Sorption of cesium on surrounding granite of Chinese low- and medium-level nuclear waste repository in the groundwater environment. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 2069-2080.	1.5	4
25	Fractionation of clay colloids and their synthetic utility in vanadium hydroxide-clay thin film formation. Applied Surface Science, 2019, 481, 92-98.	6.1	3
26	Applications of non-negative iterative deconvolution method in the analysis of alpha-particle spectra. European Physical Journal Plus, 2020, 135, 1.	2.6	3
27	Image Reconstruction Based on Total Variation Minimization for Radioactive Wastes Tomographic Gamma Scanning From Sparse Projections. IEEE Access, 2021, 9, 87453-87461.	4.2	3
28	Effect of high-dose γ-ray irradiation on the structural stability and U(VI) adsorption ability of bentonite. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 339.	1.5	3
29	Recent developments in totally asymmetric simple exclusion processes with local inhomogeneity. Science Bulletin, 2011, 56, 1527-1531.	1.7	2
30	Digital predistortion based on single-feedback method and indirect learning structure. Analog Integrated Circuits and Signal Processing, 2013, 75, 125-131.	1.4	2
31	Preparation and characterization of boron films used for boron-lined gaseous neutron detectors. Journal of the Korean Physical Society, 2021, 79, 606-612.	0.7	2
32	A collimator design method for the tomographic gamma scanning system with a fan-shaped NaI(Tl) detector array. Applied Radiation and Isotopes, 2022, 182, 110123.	1.5	2
33	Multi-parameter Experimental Adsorption Effect of 239Pu on Phyllitic Slate and Clay. Energy Procedia, 2013, 39, 159-167.	1.8	1
34	Monte Carlo Simulation and Collimator optimization for Tomographic Gamma Scanning. , 2017, , .		1
35	Gamma-Ray Source Positioning Using Array NaI(Tl) Detectors in the Radiation Portal Monitors. Journal of the Korean Physical Society, 2019, 75, 196-201.	0.7	1
36	An Angular Sensitivity Study of the Boron-Lined Honeycomb Convertor Neutron Detector Used for the Small Angle Neutron Scattering. , 2019, , .		1

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37	A Survey of Probabilistic Search Based on Bayesian Framework. , 2019, , .		1
38	Research on Fitness Function of Two Evolution Algorithms Used for Neutron Spectrum Unfolding. Journal of the Korean Physical Society, 2021, 78, 109-115.	0.7	1
39	Neural network method for localization of radioactive sources within a partially coded field-of-view in coded-aperture imaging. Applied Radiation and Isotopes, 2021, 170, 109637.	1.5	1
40	A Deconvolution Algorithm for Gamma Spectrum Based on Energy Resolution Calibration. , 2017, , 667-677.		1
41	Finite-Time Attitude Cooperative Control of Multiple Unmanned Aerial Vehicles via Fast Nonsingular Terminal Sliding Mode Control. Wireless Communications and Mobile Computing, 2022, 2022, 1-11.	1.2	1
42	Event-Triggered Finite-Time Attitude Cooperative Control for Multiple Unmanned Aerial Vehicles. Applied Bionics and Biomechanics, 2022, 2022, 1-13.	1.1	1
43	Preparation of C30 concrete and its adsorption performance for Cs(I). Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 2135-2145.	1.5	1
44	Improvement in Trapezoidal Pulse Shaping Pile-Up in Nuclear Signal Processing. Electronics (Switzerland), 2022, 11, 1745.	3.1	1
45	Globalized probability based lane detection with non-unique B-spline model. , 2011, , .		0
46	Towards a hybrid optimization model for elemental content analysis in EDXRF. , 2012, , .		0
47	Detector response function of a HPGe detector to photon energies between 200 keV and 1.5 MeV for Gamma-ray nondestructive assay instrument. , 2017, , .		0
48	Advanced Direct Digital Synthesis Generator Design for Transuranic Nuclide Alpha Spectrometry Pulses. Mathematical Problems in Engineering, 2021, 2021, 1-9.	1.1	0
49	High Spatial Resolution Tomographic Gamma Scanning Reconstruction with Improved MLEM Iterative Algorithm Based on Split Bregman Total Variation Regularization. IEEE Transactions on Nuclear Science, 2021, , 1-1.	2.0	0
50	Research on angle sensitivity of the boron-lined multilayer converter neutron detector. Measurement Science and Technology, 2022, 33, 065901.	2.6	0