

Chun-Hui Gong

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

296
citations

1040056

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1058476

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all docs

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docs citations

40
times ranked

213
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Core-shell Bi ₂ S ₃ nanorods loaded ZIF-8 nanocomposites for efficient and reversible capture of radioactive iodine. <i>Microporous and Mesoporous Materials</i> , 2022, 339, 111983. | 4.4 | 7 |
| 2 | Boron concentration prediction from Compton camera image for boron neutron capture therapy based on generative adversarial network. <i>Applied Radiation and Isotopes</i> , 2022, 186, 110302. | 1.5 | 3 |
| 3 | Effects of activation parameters on Zeolitic imidazolate framework JUC-160-derived, nitrogen-doped hierarchical nanoporous carbon and its volatile iodine capture properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, , 129478. | 4.7 | 5 |
| 4 | Strategies for radioiodine capture by metal organic frameworks and their derived materials. <i>Microporous and Mesoporous Materials</i> , 2022, 341, 112041. | 4.4 | 12 |
| 5 | In situ modification of JUC-160-derived carbon with Cu/ZnO nanoparticles for efficient capture and reversible storage of radioiodine. <i>Surfaces and Interfaces</i> , 2022, 32, 102160. | 3.0 | 0 |
| 6 | Armor-like passivated CsPbBr ₃ quantum dots: boosted stability with hand-in-hand ligands and enhanced performance of nuclear batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 8772-8781. | 10.3 | 13 |
| 7 | Ultrahigh capture of radioiodine with zinc oxide-decorated, nitrogen-doped hierarchical nanoporous carbon derived from sonicated ZIF-8-precursor. <i>Journal of Materials Science</i> , 2021, 56, 9106-9121. | 3.7 | 9 |
| 8 | Analysis of influencing factors on the method for determining boron concentration and dose through dual prompt gamma detection. <i>Nuclear Science and Techniques/Hewuli</i> , 2021, 32, 1. | 3.4 | 5 |
| 9 | Core-shell ZnO@Cu ₂ O encapsulated Ag NPs nanocomposites for photooxidation-adsorption of iodide anions under visible light. <i>Separation and Purification Technology</i> , 2021, 262, 118328. | 7.9 | 28 |
| 10 | Silver-decorated ZIF-8 derived ZnO concave nanocubes for efficient photooxidation-adsorption of iodide anions: An in-depth experimental and theoretical investigation. <i>Journal of Solid State Chemistry</i> , 2021, 297, 122039. | 2.9 | 18 |
| 11 | Sonicated zeolitic imidazolate Framework-8 derived nanoporous carbon for efficient capture and reversible storage of radioiodine. <i>Journal of Solid State Chemistry</i> , 2021, 299, 122218. | 2.9 | 8 |
| 12 | Cu-Zn bimetal ZIFs derived nanowhisker zero-valent copper decorated ZnO nanocomposites induced oxygen activation for high-efficiency iodide elimination. <i>Journal of Hazardous Materials</i> , 2021, 416, 126097. | 12.4 | 25 |
| 13 | Hierarchically mesoporous mixed copper oxide/calcined layered double hydroxides composites for iodide high-efficiency elimination. <i>Journal of Solid State Chemistry</i> , 2021, 303, 122509. | 2.9 | 9 |
| 14 | Research on a wide-range biodosimeter based on the irradiation damage effect of proteins for ¹³⁷ I radiation. <i>Radiation Physics and Chemistry</i> , 2020, 166, 108477. | 2.8 | 2 |
| 15 | Dosimetric impact of respiratory motion during boron neutron capture therapy for lung cancer. <i>Radiation Physics and Chemistry</i> , 2020, 168, 108527. | 2.8 | 8 |
| 16 | Design of a BNCT irradiation room based on proton accelerator and beryllium target. <i>Applied Radiation and Isotopes</i> , 2020, 165, 109314. | 1.5 | 5 |
| 17 | Evaluation of using the Doppler shift effect of prompt gamma for measuring the carbon ion range in vivo for heterogeneous phantoms. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 959, 163439. | 1.6 | 4 |
| 18 | Strategies for accurate response assessment of radiochromic film using flatbed scanner for beam quality assurance. <i>Nuclear Science and Techniques/Hewuli</i> , 2019, 30, 1. | 3.4 | 1 |

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|----|---|-----|-----------|
| 19 | Assessment of long-term risks of secondary cancer in paediatric patients with brain tumours after boron neutron capture therapy. <i>Journal of Radiological Protection</i> , 2019, 39, 838-853. | 1.1 | 6 |
| 20 | Investigation of in vivo beam range verification in carbon ion therapy using the Doppler Shift Effect of prompt gamma: A Monte Carlo simulation study. <i>Radiation Physics and Chemistry</i> , 2019, 162, 72-81. | 2.8 | 4 |
| 21 | A Monte Carlo study of pinhole collimated Cerenkov luminescence imaging integrated with radionuclide treatment. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2019, 42, 481-487. | 1.3 | 3 |
| 22 | Quantum dots enhanced Cerenkov luminescence imaging. <i>Nuclear Science and Techniques/Hewuli</i> , 2019, 30, 1. | 3.4 | 4 |
| 23 | Novel method exploration of monitoring neutron beam using Cherenkov photons in BNCT. <i>Radiation Physics and Chemistry</i> , 2019, 156, 222-230. | 2.8 | 4 |
| 24 | Analysis on the emission and potential application of Cherenkov radiation in boron neutron capture therapy: A Monte Carlo simulation study. <i>Applied Radiation and Isotopes</i> , 2018, 137, 219-224. | 1.5 | 6 |
| 25 | Theoretical calculation and measurement accuracy of Cerenkov optic-fiber dosimeter under electron and photon radiation therapies. <i>Radiation Measurements</i> , 2018, 110, 1-6. | 1.4 | 4 |
| 26 | Preliminary Monte Carlo simulations of a SPECT system based on CdZnTe detectors for real time BNCT dose monitoring. , 2018, , . | | 1 |
| 27 | Monte Carlo study of dose distribution improvement by skin-shielding layer design in boron neutron capture therapy for non-small-cell lung cancer. <i>Radioprotection</i> , 2018, 53, 207-217. | 1.0 | 0 |
| 28 | Investigation of the dose perturbation effect for therapeutic beams with the presence of a 1.5 T transverse magnetic field in magnetic resonance imaging-guided radiotherapy. <i>Journal of Cancer Research and Therapeutics</i> , 2018, 14, 184-195. | 0.9 | 7 |
| 29 | Optimization of the Compton camera for measuring prompt gamma rays in boron neutron capture therapy. <i>Applied Radiation and Isotopes</i> , 2017, 124, 62-67. | 1.5 | 12 |
| 30 | Abstract ID: 126 Evaluation of the clinical translation of an optimized Compton camera during Boron Neutron Capture Therapy for melanoma patients. <i>Physica Medica</i> , 2017, 42, 27. | 0.7 | 0 |
| 31 | Measurement of dose in radionuclide therapy by using Cerenkov radiation. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2017, 40, 695-705. | 1.3 | 2 |
| 32 | Modulation of lateral positions of Bragg peaks via magnetic fields inside cancer patients: Toward magnetic field modulated proton therapy. <i>Medical Physics</i> , 2017, 44, 5325-5338. | 3.0 | 5 |
| 33 | Influence of Neutron Sources and ¹⁰ B Concentration on Boron Neutron Capture Therapy for Shallow and Deeper Non-small Cell Lung Cancer. <i>Health Physics</i> , 2017, 112, 258-265. | 0.5 | 9 |
| 34 | Analysis of the relationship between neutron dose and Cerenkov photons under neutron irradiation through Monte Carlo method. <i>Radiation Measurements</i> , 2016, 93, 35-40. | 1.4 | 3 |
| 35 | Monte Carlo study of the beam shaping assembly optimization for providing high epithermal neutron flux for BNCT based on D ² T neutron generator. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 310, 1289-1298. | 1.5 | 7 |
| 36 | Determination of the relationship between dose deposition and Cerenkov photons in homogeneous and heterogeneous phantoms during radiotherapy using Monte Carlo method. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 308, 187-193. | 1.5 | 9 |

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|----|--|-----|-----------|
| 37 | GEANT4 calculations of neutron dose in radiation protection using a homogeneous phantom and a Chinese hybrid male phantom. Radiation Protection Dosimetry, 2016, 168, 433-440. | 0.8 | 19 |
| 38 | A Monte Carlo-based radiation safety assessment for astronauts in an environment with confined magnetic field shielding. Journal of Radiological Protection, 2015, 35, 777-788. | 1.1 | 11 |
| 39 | Calculations of S values and effective dose for the radioiodine carrier and surrounding individuals based on Chinese hybrid reference phantoms using the Monte Carlo technique. Journal of Radiological Protection, 2015, 35, 707-717. | 1.1 | 4 |
| 40 | Minimum detectable activity for NaI(Tl) airborne \hat{I}^3 -ray spectrometry based on Monte Carlo simulation. Science China Technological Sciences, 2014, 57, 1840-1845. | 4.0 | 14 |