**NEUTRON RADIOGRAPHIC IMAGING PAPERS published in 2019**

13th Apr 2020

KEYWORDS: Neutron Radiography, Neutron Imaging, Neutron Tomography

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Total number of papers listed : 63

[**ACS Energy Letters**](https://pubs.acs.org/journal/aelccp) **(1)**

[Dynamic Lithium Distribution upon Dendrite Growth and Shorting Revealed by Operando Neutron Imaging](https://pubs.acs.org/doi/10.1021/acsenergylett.9b01652)

Bohang Song, Indu Dhiman, John C. Carothers, Gabriel M. Veith, Jue Liu, Hassina Z. Bilheux and Ashfia Huq

*ACS Energy Lett.*20194102402-2408

Publication Date: September 11, 2019

[**Advances in Water Resources**](https://www.sciencedirect.com/journal/advances-in-water-resources) **(1)**

[Water sorptivity of unsaturated fractured sandstone: Fractal modeling and neutron radiography experiment](https://www.sciencedirect.com/science/article/pii/S0309170819301824)

Yixin Zhao, Yang Wu, Songbai Han, Shanbin Xue, A. El Abd

[*Advances in Water Resources*](https://www.sciencedirect.com/science/journal/03091708)*, Volume 130, August 2019, Pages 172-183*

[**Applied Radiation and Isotopes**](https://www.sciencedirect.com/journal/advances-in-water-resources) **(3)**

[Designing a new graphite illuminator for imaging facility of INUS to improve neutron beam uniformity and intensity](https://www.sciencedirect.com/science/article/pii/S0969804318312053)

E. Nazemi, M. Dinca, A. Movafeghi, B. Rokrok, M. H. Choopan Dastjerdi

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[A simulation study of a fan-beam time-of-flight fast-neutron tomography system](https://www.sciencedirect.com/science/article/pii/S096980431930051X)

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Salwa R. Soliman, Hala H. Zayed, Mazen M. Selim, H. Kasban, T. Mongy

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[Tomographic Reconstruction of Triaxial Strain Fields from Bragg-Edge Neutron Imaging](https://arxiv.org/pdf/1906.08506v3.pdf)

J.N. Hendriks, A.W.T. Gregg, R.R. Jackson, C.M. Wensrich, A. Wills, A.S. Tremsin, T. Shinohara, V. Luzin and O. Kirstein

17-09-2019

[**Cement and Concrete Composites**](https://www.sciencedirect.com/journal/cement-and-concrete-composites/vol/104/suppl/C) **(2)**

[The colours of concrete as seen by X-rays and neutrons](https://www.sciencedirect.com/science/article/pii/S0958946518313489)

Emmanuel Roubin, Edward Andò, Stéphane Roux

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[Quantifying fluid filling of the air voids in air entrained concrete using neutron radiography](https://www.sciencedirect.com/science/article/pii/S0958946519301167)

Mehdi Khanzadeh Moradllo, Chunyu Qiao, Hope Hall,  M. Tyler Ley, W. Jason Weiss

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[**Chemical Engineering Science**](https://www.sciencedirect.com/journal/chemical-engineering-science) **(2)**

[Estimation of the local sublimation front velocities from neutron radiography and tomography of particulate matter](https://www.sciencedirect.com/science/article/pii/S0009250919307584)

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[Visualization of liquid water in a lung-inspired flow-field based polymer electrolyte membrane fuel cell via neutron radiography](https://www.sciencedirect.com/science/article/pii/S0360544218325155)

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[*Energy*](https://www.sciencedirect.com/science/journal/03605442)*, Volume 170, 1 March 2019, Pages 14-21*

[**Flow Measurement and Instrumentation**](https://www.sciencedirect.com/journal/flow-measurement-and-instrumentation/vol/66/suppl/C) **(1)**

[In-depth analysis of high-speed, cold neutron imaging of air-water two-phase flows](https://www.sciencedirect.com/science/article/pii/S0955598618303984)

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