

Syed Bahauddin Alam

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

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citations

933447

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1058476

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25
docs citations

25
times ranked

107
citing authors

#	ARTICLE	IF	CITATIONS
1	Small modular reactor core design for civil marine propulsion using micro-heterogeneous duplex fuel. Part I: Assembly-level analysis. Nuclear Engineering and Design, 2019, 346, 157-175.	1.7	37
2	Small modular reactor core design for civil marine propulsion using micro-heterogeneous duplex fuel. Part II: whole-core analysis. Nuclear Engineering and Design, 2019, 346, 176-191.	1.7	34
3	Coupled neutronic/thermal-hydraulic hot channel analysis of high power density civil marine SMR cores. Annals of Nuclear Energy, 2019, 127, 400-411.	1.8	31
4	Assembly-level analyses of accident-tolerant cladding concepts for a long-life civil marine SMR core using micro-heterogeneous duplex fuel. Progress in Nuclear Energy, 2019, 111, 24-41.	2.9	29
5	Multi-criteria decision making under uncertainties in composite materials selection and design. Composite Structures, 2022, 279, 114680.	5.8	27
6	Parametric neutronics analyses of lattice geometry and coolant candidates for a soluble-boron-free civil marine SMR core using micro-heterogeneous duplex fuel. Annals of Nuclear Energy, 2019, 129, 1-12.	1.8	25
7	Quantitative risk assessment of a high power density small modular reactor (SMR) core using uncertainty and sensitivity analyses. Energy, 2021, 227, 120400.	8.8	20
8	Numerical investigation of the thermo-hydraulic performance of water-based nanofluids in a dimpled channel flow using Al_2O_3 , CuO , and hybrid Al_2O_3-CuO as nanoparticles. Heat Transfer, 2021, 50, 5080-5105.	3.0	16
9	Neutronic investigation of alternative & composite burnable poisons for the soluble-boron-free and long life civil marine small modular reactor cores. Scientific Reports, 2019, 9, 19591.	3.3	14
10	Neutronic feasibility of civil marine small modular reactor core using mixed D_2O coolant. Nuclear Engineering and Design, 2020, 359, 110449.	1.7	12
11	Non-linear Down-sampling and Signal Reconstruction, without Folding. , 2010, , .		12
12	A secured electronic transaction scheme for mobile banking in Bangladesh incorporating digital watermarking. , 2010, , .		10
13	Weight loss and burst testing investigations of sintered silicon carbide under oxidizing environments for next generation accident tolerant fuels for SMR applications. Materials Today Communications, 2022, 30, 102958.	1.9	10
14	Lattice benchmarking of deterministic, Monte Carlo and hybrid Monte Carlo reactor physics codes for the soluble-boron-free SMR cores. Nuclear Engineering and Design, 2020, 356, 110350.	1.7	8
15	A Theory of Loss-less Compression of High Quality Speech Signals with Comparison. , 2010, , .		7
16	A Basic Digital Watermarking Algorithm in Discrete Cosine Transformation Domain. , 2011, , .		7
17	Hardware based realtime, fast and highly secured speech communication using FPGA. , 2010, , .		6
18	Watermarking with fast and highly secured encryption for real-time speech signals. , 2010, , .		6

#	ARTICLE	IF	CITATIONS
19	Investigation of entropy and turbulence characteristics of water based Al ₂ O ₃ , TiO ₂ , and graphene-oxide nanoparticles in a triangular rod array. <i>Materials Today: Proceedings</i> , 2021, 47, 3364-3369.	1.8	6
20	CFD validation of condensation heat transfer in scaled-down small modular reactor applications, Part 1: Pure steam. <i>Experimental and Computational Multiphase Flow</i> , 2022, 4, 409-423.	3.9	6
21	Manipulation and transparency control of ICT constituted e-administrative protocol via digital watermarking for LDC's. , 2010, , .		4
22	Security Enhancement Protocol in SMS-Banking using Digital Watermarking Technique. , 2010, , .		4
23	A loss-less compression technique for high quality speech signals and its implementation with MPEG-4 ALS for better compression. , 2010, , .		1
24	Digital security algorithm for GSM incorporated virtual e-banking protocol using watermarking technique. , 2010, , .		1
25	Secured cellular banking protocols using virtual internet with digital watermarking. , 2010, , .		1