

E Parasuraman

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Nonlinear nano-scale localized breather modes in a discrete weak ferromagnetic spin lattice. Journal of Magnetism and Magnetic Materials, 2016, 401, 394-405.	2.3	51
2	Modulational instability and nano-scale energy localization in ferromagnetic spin chain with higher order dispersive interactions. Journal of Magnetism and Magnetic Materials, 2016, 404, 91-118.	2.3	35
3	Localized discrete breather modes in neuronal microtubules. Nonlinear Dynamics, 2017, 88, 2013-2033.	5.2	21
4	Propagation of electromagnetic solitons in an antiferromagnetic spinladder medium. Journal of Electromagnetic Waves and Applications, 2016, 30, 740-766.	1.6	19
5	Breather-like protonic tunneling in a discrete hydrogen bonded chain with heavy-ionic interactions. Physica Scripta, 2013, 87, 035007.	2.5	17
6	Dynamics of soliton collision phenomena on classical discrete Heisenberg weak ferromagnetic spin chain. Journal of Magnetism and Magnetic Materials, 2019, 489, 165403.	2.3	14
7	Modulational instability of longitudinal nonlinear wave along single wall carbon nanotubes under the effect of higher order inter-atomic interaction potential. Wave Motion, 2018, 83, 188-201.	2.0	13
8	Soliton solutions of Kundu-Eckhaus equation in birefringent optical fiber with inter-modal dispersion. Optik, 2020, 223, 165388.	2.9	9
9	Modulational instability criterion for optical wave propagation in birefringent fiber of Kundu-Eckhaus equation. Optik, 2021, 243, 167429.	2.9	8
10	Optically induced switching of nematic deformations. Physica Scripta, 2013, 88, 065015.	2.5	4
11	Effect of impurity on modulational instability of localized modes in a discrete quantum ferromagnetic spin chain. Journal of Magnetism and Magnetic Materials, 2021, 539, 168348.	2.3	3
12	Alternate way of soliton solutions in hydrogen-bonded chain. Waves in Random and Complex Media, 2021, 31, 1226-1245.	2.7	2
13	Evolution of dark optical soliton in birefringent fiber of Kundu-Eckhaus equation with four wave mixing and inter-modal dispersion. Optik, 2021, 243, 167380.	2.9	0