

# E Parasuraman

## List of Publications by Year in descending order

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13  
papers

196  
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1163117  
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docs citations

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