

# Nicolas P Vizarim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3705353/publications.pdf>

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11  
papers

95  
citations

1307366

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1372474

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times ranked

73  
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#	ARTICLE	IF	CITATIONS
1	Skyrmion ratchet in funnel geometries. <i>Physical Review B</i> , 2021, 104, .	1.1	20
2	Skyrmion dynamics and topological sorting on periodic obstacle arrays. <i>New Journal of Physics</i> , 2020, 22, 053025.	1.2	16
3	Critical Forces at Fractional Matching Fields in Superconducting Thin Films with Triangular Pinning Lattice. <i>Materials Research</i> , 2017, 20, 899-903.	0.6	12
4	Shapiro steps and nonlinear skyrmion Hall angles for dc and ac driven skyrmions on a two-dimensional periodic substrate. <i>Physical Review B</i> , 2020, 102, .	1.1	10
5	Soliton motion in skyrmion chains: Stabilization and guidance by nanoengineered pinning. <i>Physical Review B</i> , 2022, 105, .	1.1	9
6	Skyrmion dynamics and transverse mobility: skyrmion Hall angle reversal on 2D periodic substrates with dc and biharmonic ac drives. <i>European Physical Journal B</i> , 2020, 93, 1.	0.6	8
7	Skyrmion pinball and directed motion on obstacle arrays. <i>Journal of Physics Communications</i> , 2020, 4, 085001.	0.5	8
8	Commensurability effects in the critical forces of a superconducting film with KagomÃ© pinning array at submatching fields. <i>European Physical Journal B</i> , 2017, 90, 1.	0.6	6
9	Directional locking and the influence of obstacle density on skyrmion dynamics in triangular and honeycomb arrays. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 305801.	0.7	4
10	Surface Effects on the Dynamic Behavior of Vortices in Type II Superconducting Strips with Periodic and Conformal Pinning Arrays. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 1981-1992.	0.8	1
11	Vortex Dynamic Phases in Type II Superconducting Strips with Regular and Flattened Triangular Pinning Arrays. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 1179-1190.	0.8	1