

# Tomoyuki Maruyama

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5598297/publications.pdf>

Version: 2024-02-01

8  
papers

58  
citations

1684188  
5  
h-index

1588992  
8  
g-index

8  
all docs

8  
docs citations

8  
times ranked

38  
citing authors

#	ARTICLE	IF	CITATIONS
1	Axion production from Landau quantization in the strong magnetic field of magnetars. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 779, 160-165.	4.1	11
2	Pion production via proton synchrotron radiation in strong magnetic fields in relativistic field theory: Scaling relations and angular distributions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 757, 125-129.	4.1	10
3	Compton Scattering of $\hat{I}^3$ -Ray Vortex with Laguerre Gaussian Wave Function. <i>Scientific Reports</i> , 2019, 9, 51.	3.3	10
4	Generation of photon vortex by synchrotron radiation from electrons in Landau states under astrophysical magnetic fields. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 826, 136779.	4.1	10
5	Compton Scattering of Hermite Gaussian Wave $\hat{I}^3$ Ray. <i>Scientific Reports</i> , 2019, 9, 7998.	3.3	6
6	Decomposition of nuclear symmetry energy based on Lorentz-covariant nucleon self-energies in relativistic Hartree-Fock approximation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 803, 135282.	4.1	5
7	$\hat{I}^3$ -Pair synchrotron emission in neutron-star matter based on a relativistic quantum approach. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 805, 135413.	4.1	3
8	A relativistic quantum approach to neutrino and antineutrino emission via the direct Urca process in strongly magnetized neutron-star matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 824, 136813.	4.1	3