



## Review Paper

### Chimera states in spatiotemporal systems: Theory and Applications

*Nan Yao, Zhigang Zheng*

1630002

## Research Papers

### Even and odd coherent states of supersymmetric harmonic oscillators and their nonclassical properties

*Davood Afshar, Amin Motamedinasab, Azam Anbaraki, Mojtaba Jafarpour*

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### One-dimensional quantum spin heterojunction as a thermal switch

*Chuan-Jing Yang, Li-Hui Jin, Wei-Jiang Gong*

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### Effect of minor Fe substitution for Ni on the magnetic properties of a $\text{Gd}_{55}\text{Al}_{20}\text{Ni}_{25}$ bulk metallic glass

*Ding Ding, Zheng Li, Zheng Wen Wang, Cheng Wu, Yi Qing Zhang*

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### Low-frequency bandgaps of two-dimensional phononic crystal plate composed of asymmetric double-sided cylinder stubs

*Ailing Song, Xiaopeng Wang, Tianning Chen, Ping Jiang, Kai Bao*

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### Impact of hydrogen forming gas annealing on microwave properties of $\text{Ba}(\text{Zn}_{1/3}\text{Ta}_{2/3})\text{O}_3$ dielectric ceramics

*N. Sezer, E. Saka*

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### *Ab initio* investigation of the structural, electronic, magnetic and optical properties of the perovskite $\text{TiMnX}_3$ (X = F, Cl) compounds

*Farida Hamioud, Ghadah S. AlGhamdi, Saleh Al-Omari, A. A. Mubarak*

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### Nonclassical properties and teleportation in the two-mode photon-added displaced squeezed states

*Nguyen Thi Xuan Hoai, Truong Minh Duc*

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### Improving entanglement of two atoms in strong coupling regime

*Hui Liu, Qing Yang, Ming Yang, Zhuoliang Cao*

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