# Bin Tang

List of Publications by Year
in descending order

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|---|---|---|---|
| 53 papers | 488 citations | 759233 12 h-index | 752698 20 g-index |
| 53 all docs | 53 docs citations | 53 times ranked | 393 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Deep learning-based LPI radar signals analysis and identification using a Nyquist Folding Receiver architecture. Defence Technology, 2023, 19, 196-209. | 4.2 | 3 |
| 2 | Tailoring sintering kinetics and dielectric properties of Li2SiO3 ceramics by CaOâ€“B2O3â€“SiO2 glass dopant for LTCC substrate applications. Journal of Materials Science: Materials in Electronics, 2022, 33, 4043-4050. | 2.2 | 2 |
| 3 | Ferroelectric-Relaxor Crossover and Energy Storage Properties in Sr<sub>2</sub>NaNb<sub>5</sub>O<sub>15</sub>-Based Tungsten Bronze Ceramics. ACS Applied Materials & Interfaces, 2022, 14, 9318-9329. | 8.0 | 22 |
| 4 | Deep learning-based specific emitter identification using integral bispectrum and the slice of ambiguity function. Signal, Image and Video Processing, 2022, 16, 2009-2017. | 2.7 | 7 |
| 5 | Lowâ€fire processing and microwave dielectric properties of LB glassâ€doped Ba<sub>3.75</sub>Nd<sub>9.5</sub>Ti<sub>17.5</sub>(Cr<sub>0.5</sub>Nb<sub>0.5</sub>)<sub>0.5</sub>O<sub>54</sub> ceramic. Journal of the American Ceramic Society, 2021, 104, 1726-1739. | 3.8 | 16 |
| 6 | Robust design and evaluation of phase codes for radar performance optimization with a finite alphabet constraint. Electronics Letters, 2021, 57, 415-418. | 1.0 | 0 |
| 7 | Performance Analysis of Data Transmission for Joint Radar and Communication Systems. Mathematical Problems in Engineering, 2021, 2021, 1-14. | 1.1 | 3 |
| 8 | Low-temperature sintering kinetics and dielectric properties of Ba5Nb4O15 with B2O3â€“SiO2 glass. Journal of Materials Science: Materials in Electronics, 2021, 32, 8716-8724. | 2.2 | 3 |
| 9 | Aliovalent Doping Engineering for A- and B-Sites with Multiple Regulatory Mechanisms: A Strategy to Improve Energy Storage Properties of Sr<sub>0.7</sub>Bi<sub>0.2</sub>TiO<sub>3</sub>-Based Lead-Free Relaxor Ferroelectric Ceramics. ACS Applied Materials & Interfaces, 2021, 13, 24833-24855. | 8.0 | 79 |
| 10 | A Dynamic Conflict Analysis Method for EW Effectiveness Evaluation Based on Conditional State Space. Electronics (Switzerland), 2021, 10, 24. | 3.1 | 2 |
| 11 | KL divergence Based Objective State Selection Method for EW Conflict. , 2021, , . | | 0 |
| 12 | Radar Signal Sorting Using Combined Residual and Recurrent Neural Network (CRRNN). , 2021, , . | | 2 |
| 13 | Chemically Modulating the Twist Rate of Helical van der Waals Crystals. Chemistry of Materials, 2020, 32, 299-307. | 6.7 | 5 |
| 14 | Automatic LPI Radar Signal Sensing Method Using Visibility Graphs. IEEE Access, 2020, 8, 159650-159660. | 4.2 | 8 |
| 15 | Influence of Li2Oâ€“MgOâ€“ZnOâ€“B2O3â€“SiO2 glass doping on the microwave dielectric properties and sintering temperature of Li3Mg2NbO6 ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 17029-17035. | 2.2 | 4 |
| 16 | Tunable valleytronics with symmetry-retaining high polarization degree in SnSxSe1â^'x model system. Applied Physics Letters, 2020, 116, 061105. | 3.3 | 6 |
| 17 | A Detection Method of Multi-Sensor for Radar Countermeasure Network. , 2020, , . | | 0 |
| 18 | An Approach of LPI Radar Signal Detection Based on Visibility Graph. , 2020, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Researches on silane coupling agent treated AlN ceramic powder and fabrication of AlN/PTFE composites for microwave substrate applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 20189-20197. | 2.2 | 9 |
| 20 | Wideband Spectrum Sensing via Derived Correlation Matrix Completion Based on Generalized Coprime Sampling. IEEE Access, 2019, 7, 117403-117410. | 4.2 | 4 |
| 21 | Iterative Interpolar based Switched Element Direction Finding for Wideband Linear Frequency Modulated Signals. , 2019, , . | | 1 |
| 22 | Novel Unconventional-Active-Jamming Recognition Method for Wideband Radars Based on Visibility Graphs. Sensors, 2019, 19, 2344. | 3.8 | 7 |
| 23 | Passive Localization Algorithm for Spaceborne SAR Using NYFR and Sparse Bayesian Learning. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2019, E102.A, 581-585. | 0.3 | 0 |
| 24 | Detection of Unresolved Targets for Wideband Monopulse Radar. Sensors, 2019, 19, 1084. | 3.8 | 1 |
| 25 | Radar Antenna Scan Pattern Intelligent Recognition Using Visibility Graph. IEEE Access, 2019, 7, 175628-175641. | 4.2 | 6 |
| 26 | Deceptive multiple false targets jamming recognition for linear frequency modulation radars. Journal of Engineering, 2019, 2019, 7690-7694. | 1.1 | 5 |
| 27 | A Switched-Element System Based Direction of Arrival (DOA) Estimation Method for Un-Cooperative Wideband Orthogonal Frequency Division Multi Linear Frequency Modulation (OFDM-LFM) Radar Signals. Sensors, 2019, 19, 132. | 3.8 | 3 |
| 28 | A new lowâ€firing and highâ€Q microwave dielectric ceramic Li<sub>9</sub>Zr<sub>3</sub>NbO<sub>13</sub>. Journal of the American Ceramic Society, 2018, 101, 2202-2207. | 3.8 | 22 |
| 29 | A new niobate-based CaOâ€“2CuOâ€“Nb2O5 microwave dielectric ceramic composite for LTCC applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 4533-4537. | 2.2 | 5 |
| 30 | Influence of SiO2 Addition on Properties of PTFE/TiO2 Microwave Composites. Journal of Electronic Materials, 2018, 47, 633-640. | 2.2 | 18 |
| 31 | Structure and microwave dielectric properties of the Li<sub>2/3(1â^'x)</sub>Sn<sub>1/3(1â^'x)</sub>Mg<sub>x</sub>O systems (xÂ=Â0â€4/7). Journal of the American Ceramic Society, 2018, 101, 252-264. | 3.8 | 59 |
| 32 | Iterative High-Accuracy Parameter Estimation of Uncooperative OFDM-LFM Radar Signals Based on FrFT and Fractional Autocorrelation Interpolation. Sensors, 2018, 18, 3550. | 3.8 | 8 |
| 33 | Effects of (Na1/2Nd1/2)TiO3 on the microstructure and microwave dielectric properties of PTFE/ceramic composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 20680-20687. | 2.2 | 9 |
| 34 | Different Additives Doped Caâ€“Ndâ€“Ti Microwave Dielectric Ceramics with Distorted Oxygen Octahedrons and High Q Ã— f Value. ACS Omega, 2018, 3, 11033-11040. | 3.5 | 12 |
| 35 | Radar ECCM based on phase-aid distributed compressive sensing. Signal, Image and Video Processing, 2018, 12, 1497-1504. | 2.7 | 6 |
| 36 | Research on hydrophobicity treatment of aluminum nitride powder and the fabrication and characterization of AlN/PTFE composite substrates. Journal of Materials Science: Materials in Electronics, 2018, 29, 14890-14896. | 2.2 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Microwave dielectric properties of Li<sub>2</sub>Oâ€“xMgOâ€“ZnOâ€“B<sub>2</sub>O<sub>3</sub>â€“SiO<sub>2</sub> glass-ceramics (x = 30â€“50 wt.%). Journal of the Ceramic Society of Japan, 2018, 126, 163-169. | 1.1 | 9 |
| 38 | Key Parameter Estimation for Pulse Radar Signal Intercepted by Non-Cooperative Nyquist Folding Receiver. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 1934-1939. | 0.3 | 4 |
| 39 | Non-Cooperative Detection Method of MIMO-LFM Signals with FRFT Based on Entropy of Slice. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 1940-1943. | 0.3 | 0 |
| 40 | Preparation, characterization and properties of FEP modified PTFE/glass fiber composites for microwave circuit application. Journal of Materials Science: Materials in Electronics, 2017, 28, 6015-6021. | 2.2 | 8 |
| 41 | Microwave dielectric properties of (1â€“x)Ba<sub>3.75</sub>Nd<sub>9.5</sub>Cr<sub>0.25</sub>Nb<sub>0.25</sub>Ti<sub>17.5</sub>O<sub>54</sub>â€“ ceramics. Journal of the American Ceramic Society, 2017, 100, 4058-4065. | 3.8 | 15 |
| 42 | Effects of compound coupling agents on the properties of PTFE/SiO2 microwave composites. Journal of Materials Science: Materials in Electronics, 2017, 28, 3356-3363. | 2.2 | 15 |
| 43 | Effects of perfluorooctyltriethoxysilane coupling agent on the properties of silica filled PTFE composites. Journal of Materials Science: Materials in Electronics, 2017, 28, 8810-8817. | 2.2 | 19 |
| 44 | Impacts of Al<sub>2</sub>O<sub>3</sub> Doping on Microstructure, Phase Constitution and Microwave Dielectric Properties of Ca<sub>0.61</sub>Nd<sub>0.26</sub>TiO<sub>3</sub> Ceramics. Transactions of the Indian Ceramic Society, 2017, 76, 97-101. | 1.0 | 3 |
| 45 | A Temperature-Insensitive Ba3.75Nd9.5Ti17.5(Cr0.5Nb0.5)0.5O54 Microwave Dielectric Ceramic by Bi3+ Substitution. Journal of Electronic Materials, 2017, 46, 1230-1234. | 2.2 | 2 |
| 46 | Microwave Dielectric Properties of Aluminumâ€Substituted Ba<sub>6â^'3x</sub>Nd<sub>8+2x</sub>Ti<sub>18</sub>O<sub>54</sub> Ceramics. International Journal of Applied Ceramic Technology, 2016, 13, 564-568. | 2.1 | 8 |
| 47 | Dependence of microwave dielectric properties on site substitution in Ba3.75Nd9.5Ti18O54 ceramic. Journal of Materials Science: Materials in Electronics, 2016, 27, 10951-10957. | 2.2 | 14 |
| 48 | Effect of sintering temperature on the crystallization behavior and properties of silica filled PTFE composites. Journal of Materials Science: Materials in Electronics, 2016, 27, 13288-13293. | 2.2 | 17 |
| 49 | Effects of Zr-Substitution on Microwave Dielectric Properties of Na0.5Nd0.2Sm0.3Ti1â^'x Zr x O3 Ceramics (xÂ=Â0.00Ââ^¼Â0.30). Journal of Electronic Materials, 2016, 45, 5198-5205. | 2.2 | 6 |
| 50 | Relationships between Sn substitution for Ti and microwave dielectric properties of Mg2(Ti1â^'xSnx)O4 ceramics system. Journal of Materials Science: Materials in Electronics, 2015, 26, 571-577. | 2.2 | 21 |
| 51 | Undersampling channelized receiver using principle of signal matched-phase. IEICE Electronics Express, 2012, 9, 213-219. | 0.8 | 1 |
| 52 | Complex (Mg1/3Ta2/3)4+ ionic substitution on the phase structure and microwave dielectric properties of wolframite MgZr1â^'x(Mg1/3Ta2/3)xNb2O8 (0â€‰â‰¤â€‰xâ€‰â‰¤â€‰0.08) ceramics. Journal of Materials Science: Materials in Electronics, 0, , 1. | 2.2 | 0 |
| 53 | Microwave dielectric properties and low-fire processing of Ca0.244Li0.3Nd0.404Ti0.96Al0.02Nb0.02O3 ceramics doped with BZLBS. Journal of Materials Science: Materials in Electronics, 0, , . | 2.2 | 1 |