J-P Zhou

List of Publications by Year in descending order

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| 109 | 2,242 | 27 | 43 |
|----------|----------------|--------------|---------------------|
| papers | citations | h-index | g-index |
| 110 | 110 | 110 | 2356 citing authors |
| all docs | docs citations | times ranked | |

| # | Article | IF | CITATIONS |
|----|---|--------------|-----------|
| 1 | Comparative study on (Na0.47Bi0.47Ba0.06)0.95A0.05TiO3 (A = $Sr2+/Ca2+$) lead-free ceramics: Scaling behavior of ferroelectric hysteresis loop. Applied Physics Letters, 2022, 120, . | 3.3 | 5 |
| 2 | Magnetodielectric mechanism and application of magnetoelectric composites. Journal of Magnetism and Magnetic Materials, 2022, 550, 169099. | 2.3 | 9 |
| 3 | Development of novel KO.8NiO.4Ti1.6O4 nano bamboo leaves, microstructural characterization, double absorption, and photocatalytic removal of organic pollutant. Environmental Research, 2022, 211, 113118. | 7.5 | 3 |
| 4 | La2Ti2O7 nanosheets synthesized under magnetic field for ofloxacin ferrophotocatalytic degradation. Journal of Environmental Chemical Engineering, 2022, 10, 108088. | 6.7 | 6 |
| 5 | Direct observation of carrier migration in heterojunctions to discuss the p–n and direct Z-scheme heterojunctions. Nanotechnology, 2022, 33, 425201. | 2.6 | 6 |
| 6 | First-principles investigation of the structural, elastic, anisotropic and electronic properties of <i>Pmma</i> -carbon. Molecular Physics, 2021, 119, e1809729. | 1.7 | 0 |
| 7 | Improved ferroelectric and piezoelectric properties of (Na0.5K0.5)NbO ₃ ceramics via sintering in low oxygen partial pressure atmosphere and adding LiF. Journal of Advanced Dielectrics, 2021, 11, 2150012. | 2.4 | 7 |
| 8 | Facile hydrothermal preparation, characterization and multifunction of rock salt-type LiTiO2. Journal of Alloys and Compounds, 2021, 872, 159759. | 5 . 5 | 8 |
| 9 | The effects of indium doping on the electrical, magnetic, and magnetodielectric properties of M-type strontium hexaferrites. Journal of Magnetism and Magnetic Materials, 2021, 539, 168333. | 2.3 | 14 |
| 10 | Charge transfer in SnS ₂ /Na _{0.9} Mg _{0.45} Ti _{3.55} O ₈ heterojunction in photocatalytic process. Nanotechnology, 2021, 32, 025712. | 2.6 | 1 |
| 11 | Electric and magnetic properties of some magnetodielectric composites at microwave frequency. Journal of Magnetism and Magnetic Materials, 2020, 501, 166410. | 2.3 | 5 |
| 12 | Temperature-stable dielectric and energy storage properties of (0.94Bi0.47Na0.47Ba0.06TiO3-0.06BiAlO3)–NaNbO3 ceramics. Journal of Alloys and Compounds, 2020, 847, 156409. | 5 . 5 | 15 |
| 13 | Novel Mg7V4O16(OH)2·H2O and Mg3(VO4)2: preparation, characterization, and performance as lithium-ion anode materials. Journal of Materials Science: Materials in Electronics, 2020, 31, 19931-19942. | 2.2 | O |
| 14 | Mechanical, electronic and thermodynamic properties of TE-C36 under high pressure. Molecular Physics, 2020, 118, e1739769. | 1.7 | 0 |
| 15 | A first-principles prediction of an sp3 carbon allotrope comprising four-, five-, six-, and eight-member rings. Journal of Applied Physics, 2020, 127, 245112. | 2.5 | 2 |
| 16 | Na2Fe2Ti6O16 as a hybrid co-catalyst on g-C3N4 to enhance the photocatalytic hydrogen evolution under visible light illumination. Applied Surface Science, 2020, 509, 145357. | 6.1 | 9 |
| 17 | Comprehensive analysis of direct and converse magnetoelectric effects in S-S mode bilayered composites. Journal of Magnetism and Magnetic Materials, 2020, 501, 166411. | 2.3 | 8 |
| 18 | Magnetoelectric anisotropy in laminate composite for detecting magnetic field. Functional Materials Letters, 2019, 12, 1850098. | 1.2 | 3 |

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|----|---|-------------------|--------------|
| 19 | Hot-press sintering K0.5Na0.5NbO3–0.5Âmol%Al2O3 ceramics with enhanced ferroelectric and piezoelectric properties. Journal of Materials Science, 2019, 54, 13457-13466. | 3.7 | 15 |
| 20 | Direct and converse magnetoelectric effects of sandwiched composites worked in shear-shear mode studied by uniform equivalent circuit. AIP Advances, 2019, 9, 105315. | 1.3 | 1 |
| 21 | Structural, mechanical, and thermodynamic properties of R-3m ReB4 under high pressure. European Physical Journal B, 2019, 92, 1. | 1.5 | 2 |
| 22 | Twoâ€step hydrothermal fabrication of Na 0.23 TiO 2 nanofibers and enhanced photocatalysis after loaded with gold or silver determined by surface potentials. International Journal of Energy Research, 2019, 43, 4062-4073. | 4.5 | 4 |
| 23 | Growth of MoS2 nanosheets on TiO2/g-C3N4 nanocomposites to enhance the visible-light photocatalytic ability. Journal of Materials Science: Materials in Electronics, 2019, 30, 5393-5403. | 2.2 | 10 |
| 24 | Controlled Fabrication of K ₂ Ti ₈ O ₁₇ Nanowires for Highly Efficient and Ultrafast Adsorption toward Methylene Blue. ACS Applied Materials & Diterfaces, 2019, 11, 45531-45545. | 8.0 | 31 |
| 25 | Morphology and optical studies of Cr doped TiO2 and Mixed-Halide Perovskite coated rutile TiO2 nanorods. Journal of Alloys and Compounds, 2019, 773, 1154-1164. | 5.5 | 15 |
| 26 | The surface reactivity and structural properties of anatase TiO2 (001), (100), (101) and (105) surface researched with DFT. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2019, 89, 193-197. | 1.2 | 2 |
| 27 | Comparative study on structure, dielectric, and piezoelectric properties of (Na0.47Bi0.47Ba0.06)0.95A0.05TiO3 (Aâ€=â€Ca2+/Sr2+) ceramics: Effect of radii of A-site cations. Journal of the European Ceramic Society, 2018, 38, 3111-3117. | 5.7 | 33 |
| 28 | Fabrication and enhanced photocatalytic properties of novel 3D MoS2/Na0.9Mg0.45Ti3.55O8 heterostructures. Applied Surface Science, 2018, 427, 733-741. | 6.1 | 5 |
| 29 | The enhanced photocatalytic activity of Na0.9 Mg0.45 Ti3.55 O8 co-loaded with silver and platinum. International Journal of Energy Research, 2018, 42, 1056-1065. | 4.5 | 1 |
| 30 | The effects of magnetic field and polarization on the permeability and permittivity of (1) Tj ETQq0 0 0 rgBT /Over at high frequency. Journal Physics D: Applied Physics, 2018, 51, 055002. | lock 10 Tf 2.8 | 50 307 Td (8 |
| 31 | Theoretical and experimental researches on NiS2 nanocubes with uniform reactive exposure facets. Materials Chemistry and Physics, 2018, 207, 194-202. | 4.0 | 10 |
| 32 | Novel Single-Crystal Hollandite K1.46Fe0.8Ti7.2O16 Microrods: Synthesis, Double Absorption, and Magnetism. Inorganic Chemistry, 2018, 57, 15187-15197. | 4.0 | 18 |
| 33 | Pressure effect on the mechanical and electronic properties of orthorhombic-C20. Modern Physics Letters B, 2018, 32, 1850380. | 1.9 | 1 |
| 34 | Plasmon-enhanced photocatalytic activity of Na _{0.9} Mg _{0.45} Ti _{3.55} O ₈ loaded with noble metals directly observed with scanning Kelvin probe microscopy. Nanotechnology, 2018, 29, 305709. | 2.6 | 6 |
| 35 | Sintering process effect on the BaTiO3 ceramic properties with the hydrothermally prepared powders. Journal of Materials Science: Materials in Electronics, 2018, 29, 14883-14889. | 2.2 | 6 |
| 36 | Comprehensive investigation on direct and converse magnetoelectric effects in longitudinally magnetized and polarized laminate composites by equivalent circuit and experiments. Journal of Materials Science: Materials in Electronics, 2018, 29, 17706-17713. | 2.2 | 5 |

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|----|---|------|-----------|
| 37 | Synergy of TiO ₂ /Na _{0.23} TiO ₂ Heterojunction for Enhanced Photocatalysis. Crystal Research and Technology, 2018, 53, 1700153. | 1.3 | 6 |
| 38 | Structural, interfacial, magnetic and dielectric properties of $(1\hat{a}^{3})$ (Mg 0.95 Zn 0.05) 2 (Ti 0.8 Sn 0.2)O 4 @xNi 0.4 Zn 0.6 Fe 2 O 4 composite at high frequency. Ceramics International, 2017, 43, 5427-5433. | 4.8 | 1 |
| 39 | Novel magnetic properties of uniform NiTe nanorods selectively synthesized by hydrothermal method. Materials and Design, 2017, 117, 390-395. | 7.0 | 19 |
| 40 | Interface role in the enhanced photocatalytic activity of TiO2-Na0.9Mg0.45Ti3.55O8 nanoheterojunction. APL Materials, 2017, 5, 026104. | 5.1 | 7 |
| 41 | Novel magnetic properties of CoTe nanorods and diversified CoTe ₂ nanostructures obtained at different NaOH concentrations. Science and Technology of Advanced Materials, 2017, 18, 325-333. | 6.1 | 29 |
| 42 | One-step synthesis of NiTe ₂ nanorods coated with few-layers MoS ₂ for enhancing photocatalytic activity. Nanotechnology, 2017, 28, 495602. | 2.6 | 30 |
| 43 | Novel magnetic semiconductor Na ₂ Fe ₂ Ti ₆ O ₁₆ : synthesis, double absorption and strong adsorptive ability. Journal of Materials Chemistry A, 2017, 5, 17589-17600. | 10.3 | 21 |
| 44 | Dielectric, ferroelectric, piezoelectric properties and impedance analysis of nonstoichiometric (Bi0.5Na0.5)0.94+xBa0.06TiO3 ceramics. Journal of the European Ceramic Society, 2016, 36, 3995-4001. | 5.7 | 76 |
| 45 | Microstructure and microwave-frequency electromagnetic properties of Ni0.4Zn0.6Fe2O4/Ba0.6Sr0.4TiO3 composites. Ceramics International, 2016, 42, 15585-15591. | 4.8 | 9 |
| 46 | Microstructure and Electrical Properties of Nonstoichiometric 0.94(Na _{0.5} Bi _{0.5+<i>x</i>})TiO ₃ â€"0.06BaTiO ₃ Leadâ€Free Ceramics. Journal of the American Ceramic Society, 2016, 99, 198-205. | 3.8 | 94 |
| 47 | First-principles study of the electronic structure of nonmetal-doped anatase TiO2. Journal of the Korean Physical Society, 2016, 68, 409-414. | 0.7 | 8 |
| 48 | Symmetric relationships between direct and converse magnetoelectric effects in laminate composites. Composite Structures, 2016, 155, 107-117. | 5.8 | 18 |
| 49 | Origin of Large Phase Shift and Magnetoelectric Resonance in Magnetoelectric Laminate Composite. IEEE Transactions on Magnetics, 2016, 52, 1-4. | 2.1 | 4 |
| 50 | Microwave dielectric properties of low temperature sintering Ca5Mn4(VO4)6 ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 7292-7296. | 2,2 | 22 |
| 51 | Structure, dielectric and piezoelectric properties of (Pb0.945Bi0.027La0.01)(Nb0.95Ti0.0625)2O6 piezoelectric ceramics with high Curie temperature: effect of sintering atmospheres. Journal of Materials Science: Materials in Electronics, 2016, 27, 760-766. | 2.2 | 5 |
| 52 | Effects of In Situ Heat Treatment on the Microstructure and Electronic Properties of Ba _{0.6} Sr _{TiO_{TiO_{Thin Films. Ferroelectrics, 2016, 491, 134-142.}}} | 0.6 | 2 |
| 53 | Influence of zinc concentration on structure, complex permittivity and permeability of Ni–Zn ferrites at high frequency. Journal of Magnetism and Magnetic Materials, 2016, 401, 370-377. | 2.3 | 69 |
| 54 | Novel behaviors of single-crystalline BiFeO ₃ nanorods hydrothermally synthesized under magnetic field. Journal of Materials Chemistry C, 2015, 3, 6924-6931. | 5.5 | 36 |

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|----|--|------|-----------|
| 55 | Microwave dielectric properties of CaV2O6 ceramics with low dielectric loss. Journal of Materials Science: Materials in Electronics, 2015, 26, 7719-7722. | 2.2 | 21 |
| 56 | First-principles study of the structures and electronic band properties of Bi2Te3 $\{11\$, 5 $\}$ nanoribbons. AIP Advances, 2015, 5, . | 1.3 | 7 |
| 57 | Electrical, magnetic, and direct and converse magnetoelectric properties of (1â^' x)Pb(Zr 0.52 Ti 0.48)O 3 â^'(x)CoFe 2 O 4 (PZT–CFO) magnetoelectric composites. Journal of Magnetism and Magnetic Materials, 2015, 378, 298-305. | 2.3 | 51 |
| 58 | A uniform model for direct and converse magnetoelectric effect in laminated composite. Applied Physics Letters, $2014, 104, .$ | 3.3 | 36 |
| 59 | Dielectric, magnetic and magnetoelectric properties of Ni0.5Zn0.5Fe2O4+Pb(Zr0.48Ti0.52)O3 composite ceramics. Ceramics International, 2014, 40, 5853-5860. | 4.8 | 43 |
| 60 | Ferroelectric, Ferromagnetic, and Magnetoelectric Properties of Multiferroic Ni0.5Zn0.5Fe2O4–BaTiO3 Composite Ceramics. Journal of Electronic Materials, 2014, 43, 1043-1047. | 2.2 | 9 |
| 61 | Preparation of homogeneous microstructure pure lead metaniobate by two-step sintering. Electronic Materials Letters, 2014, 10, 139-142. | 2.2 | 5 |
| 62 | A new-type of semiconductor Na0.9Mg0.45Ti3.55O8: preparation, characterization and photocatalysis. Journal of Materials Chemistry A, 2014, 2, 20358-20366. | 10.3 | 24 |
| 63 | Magnetoelectric effects on ferromagnetic and ferroelectric phase transitions in multiferroic materials. Acta Materialia, 2014, 76, 355-370. | 7.9 | 39 |
| 64 | Effect of the Second Sintering Temperature on the Microstructure and Electrical Properties of PbNb2O6-0.5Âwt.%ZrO2 Obtained via a Two-Step Sintering Process. Journal of Electronic Materials, 2014, 43, 3630-3634. | 2.2 | 5 |
| 65 | Enhancing magnetic field sensitivity and giant converse magnetoelectric effect in laminate composite of Terfenol-D and multilayer piezoelectric vibrator. Journal of Alloys and Compounds, 2014, 590, 46-49. | 5.5 | 27 |
| 66 | Modeling and magnetoelectric properties of laminate composite of nickel plate and piezoelectric multilayer vibrator. EPJ Applied Physics, 2014, 66, 20601. | 0.7 | 3 |
| 67 | Dielectric and magnetic properties of multiferroic BiFeO3 ceramics sintered with the powders prepared by hydrothermal method. Solid State Sciences, 2013, 19, 117-121. | 3.2 | 31 |
| 68 | Dielectric, ferromagnetic and maganetoelectric properties of BaTiO3–Ni0.7Zn0.3Fe2O4 composite ceramics. Materials Research Bulletin, 2013, 48, 4100-4104. | 5.2 | 35 |
| 69 | Magnetodielectric effect and electric-induced magnetic permeability in magnetoelectric laminate composite under low inspiring signal. Journal of Applied Physics, 2013, 113, . | 2.5 | 18 |
| 70 | Large converse magnetoelectric response in Rosen-type transformer and Terfenol-D laminated composite. Journal of Applied Physics, 2012, 111, . | 2.5 | 12 |
| 71 | Hydrothermal Synthesis of Perovskite Bismuth Ferrite Crystallites with the Help of NH ₄ Cl. Journal of Nanoscience and Nanotechnology, 2012, 12, 6552-6557. | 0.9 | 9 |
| 72 | Hydrothermal synthesis and properties of NiFe ₂ O ₄ @BaTiO ₃ composites with well-matched interface. Science and Technology of Advanced Materials, 2012, 13, 045001. | 6.1 | 75 |

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| 73 | Structure and phase transition of BiFeO3 cubic micro-particles prepared by hydrothermal method. Materials Research Bulletin, 2012, 47, 3630-3636. | 5.2 | 30 |
| 74 | Controlling voltage step-up ratio of Rosen-type transformer based on magnetoelectric coupling. Journal Physics D: Applied Physics, 2011, 44, 055002. | 2.8 | 6 |
| 75 | Large-scale growth and shape evolution of bismuth ferrite particles with a hydrothermal method. Materials Chemistry and Physics, 2011, 126, 560-567. | 4.0 | 65 |
| 76 | Preparation of Sb2S3 film on functional organic self-assembled monolayers by chemical bath deposition. Journal of Materials Science, 2011, 46, 700-706. | 3.7 | 6 |
| 77 | Magnetoelectric coupling in antiferroelectric and magnetic laminate composites. Applied Physics A: Materials Science and Processing, 2011, 104, 461-464. | 2.3 | 7 |
| 78 | Colossal magnetodielectric effect caused by magnetoelectric effect under low magnetic field. Bulletin of Materials Science, 2011, 34, 283-286. | 1.7 | 13 |
| 79 | Grain size effect on the dielectric and magnetic properties of NiFe2O4 ceramics. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1798-1803. | 2.7 | 54 |
| 80 | Electric-field-induced resonant characteristics in bilayered and trilayered magnetoelectric composites. EPJ Applied Physics, 2010, 49, 30801. | 0.7 | 0 |
| 81 | Controllable synthesis of PbI2 nanocrystals viaÂaÂsurfactant-assisted hydrothermal route. Applied Physics A: Materials Science and Processing, 2010, 98, 299-304. | 2.3 | 40 |
| 82 | Synthesis of orthorhombic and cubic PbF2 by hydrothermal method. Journal of Materials Science, 2010, 45, 1846-1853. | 3.7 | 6 |
| 83 | Magnetoelectric characteristics around resonance frequency under magnetic field in Pb(Zr,) Tj ETQq1 1 0.78431 | .4 rgBT /O | verlock 10 Tf |
| 84 | Hydrothermal synthesis of perovskite bismuth ferrite crystallites with the help of NH <inf>4</inf> Cl. , 2010, , . | | 0 |
| 85 | Colossal dielectric constant and relaxation behaviors in Pr:SrTiO3 ceramics. Journal of Applied Physics, 2010, 107, . | 2.5 | 30 |
| 86 | Magnetoelectric coupling in small Pb(Zr,Ti)O3/terfenol-D laminate composites. Journal of Applied Physics, 2009, 105, 063913. | 2.5 | 41 |
| 87 | Hydrothermal synthesis of Pb(ZrO·52TiO·48)O3 powders at low temperature and low alkaline concentration. Bulletin of Materials Science, 2009, 32, 193-197. | 1.7 | 13 |
| 88 | Dielectric relaxation and giant dielectric constant of Nbâ€doped CaCu ₃ Ti ₄ O ₁₂ ceramics under dc bias voltage. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 562-566. | 1.8 | 16 |
| 89 | Effects of La on Dielectric and Piezoelectric Properties of Pb _{1â°'x} La _{2x/3} (Nb _{0.95} Ti _{0.0625}) ₂ O ₆ Ceramics. Journal of the American Ceramic Society, 2009, 92, 1753-1757. | 3.8 | 19 |
| 90 | Magnetic properties of ZnO-doped cobalt ferrite. Journal of Electroceramics, 2008, 21, 681-685. | 2.0 | 12 |

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| 91 | Structure and properties of Zn-doped CoFe2O4 thin films via a sol–gel method. Journal of Electroceramics, 2008, 21, 686-689. | 2.0 | 3 |
| 92 | Flower-like Pb(Zr0.52Ti0.48)O3 nanoparticles on the CoFe2O4 seeds. Journal of Crystal Growth, 2008, 310, 508-512. | 1.5 | 8 |
| 93 | Electric and magnetic properties of Pb(Zr0.52Ti0.48)O3–CoFe2O4 particle composite thin film on the SrTiO3 substrate. Materials Research Bulletin, 2008, 43, 3514-3520. | 5.2 | 19 |
| 94 | Giant electric-field-induced magnetization in a magnetoelectric composite at high frequency. Applied Physics Letters, 2008, 93, 152501. | 3.3 | 28 |
| 95 | Inhomogeneous magnetoelectric coupling in Pb(Zr,Ti)O3/Terfenol-D laminate composite. Applied Physics Letters, 2008, 92, 062903. | 3.3 | 31 |
| 96 | Magnetoelectric resonant characteristics in Pb(Zr,Ti)O3/Terfenol-D laminate composites. Journal of Applied Physics, 2008, 103, 103522. | 2.5 | 22 |
| 97 | Ferroelectric and Ferromagnetic Behavior of Pb(Zr0.52 Ti0.48)O3 -Co0.9 Zn0.1 Fe2 O4 Multilayered Thin Films Prepared via Solution Processing. Advanced Functional Materials, 2007, 17, 1333-1338. | 14.9 | 104 |
| 98 | Electric and magnetic properties of CoFe2O4/Pb(Zr0.52Ti0.48)O3 bilayer thin films prepared by pulsed-laser deposition. Applied Physics A: Materials Science and Processing, 2007, 89, 553-558. | 2.3 | 18 |
| 99 | Effects of substrate temperature and oxygen pressure on the magnetic properties and structures of CoFe2O4 thin films prepared by pulsed-laser deposition. Applied Surface Science, 2007, 253, 7456-7460. | 6.1 | 40 |
| 100 | Dielectric, magnetic, and magnetoelectric properties of laminated PbZr0.52Ti0.48O3â^•CoFe2O4 composite ceramics. Journal of Applied Physics, 2006, 100, 094106. | 2.5 | 112 |
| 101 | Magnetoelectric CoFe2O4â^•Pb(Zr0.52Ti0.48)O3 double-layer thin film prepared by pulsed-laser deposition. Applied Physics Letters, 2006, 88, 013111. | 3.3 | 150 |
| 102 | Multiferroic Pb(Zr0.52Ti0.48)O3–Co0.9Zn0.1Fe2O4 bilayer thin films via a solution processing. Applied Physics Letters, 2006, 89, 052904. | 3.3 | 62 |
| 103 | Anomalous temperature dependence of photoluminescence from stoichiometric GD2O3â°'x film. Journal of Crystal Growth, 2004, 260, 136-142. | 1.5 | 7 |
| 104 | Properties of high k gate dielectric gadolinium oxide deposited on Si (1 0 0) by dual ion beam deposition (DIBD). Journal of Crystal Growth, 2004, 270, 21-29. | 1.5 | 43 |
| 105 | Magnetic properties of silicon doped with gadolinium. Applied Physics A: Materials Science and Processing, 2003, 77, 599-602. | 2.3 | 1 |
| 106 | Photoluminescence behaviors from stoichiometric gadolinium oxide films. Journal of Applied Physics, 2003, 94, 4414-4419. | 2.5 | 4 |
| 107 | Ambiguities on structure analysis of Fe–N thin films. Journal of Magnetism and Magnetic Materials, 2002, 238, 1-5. | 2.3 | 12 |
| 108 | GdxSi grown with mass-analyzed low energy dual ion beam epitaxy technique. Journal of Crystal Growth, 2002, 242, 389-394. | 1.5 | 4 |

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|-----|---|-----|-----------|
| 109 | Structure and soft magnetic properties of Fe-N thin films. IEEE Transactions on Magnetics, 2001, 37, 3844-3849. | 2.1 | 8 |