

# In-Gann Chen

## List of Publications by Year in descending order

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51  
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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of Particle Trajectory Under Laminar Flow for MDDS Application. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	0
2	Sintering Nano-Silver Paste by Resistive Joule Heating Process for 2G HTS Tape Joints. Materials, 2022, 15, 1571.	2.9	3
3	Spent Mushroom Substrate and Electric Arc Furnace Dust Recycling by Carbothermic Reduction Method. Materials, 2022, 15, 2639.	2.9	4
4	Improvement of the value and anisotropy of critical current density in GdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> coated conductors with self-assembled 3-dimensional BaZrO <sub>3</sub> nanostructure. Materials Today Physics, 2021, 20, 100455.	6.0	5
5	Realization of compact hybrid trapped field magnet above 10 T with 7 T applied field. Superconductor Science and Technology, 2021, 34, 110501.	3.5	0
6	Effect of Heating Rate on Carbothermic Reduction and Melting Behavior of Iron Ore-Coal Composite Pellets. ISIJ International, 2021, 61, 2715-2723.	1.4	2
7	Simulation and Observation of Magnetic Particles Captured in Fluids Using High Temperature Superconductor Bulk. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.7	1
8	Low Sintering Temperature Nano-Silver Pastes with High Bonding Strength by Adding Silver 2-Ethylhexanoate. Materials, 2021, 14, 5941.	2.9	11
9	Finite Element Analysis on Initial Crack Site of Porous Structure Fabricated by Electron Beam Additive Manufacturing. Materials, 2021, 14, 7467.	2.9	2
10	Modification of FN tunneling provoking gate-leakage current in ZTO (zinc-tin oxide) TFT by regulating the ZTO/SiO <sub>2</sub> area ratio. Applied Physics Letters, 2018, 112, .	3.3	4
11	Pellet-buffered film seed to grow single grain bulk YBCO. Journal of the American Ceramic Society, 2017, 100, 5038-5043.	3.8	3
12	Effect of ZnO/TiO <sub>2</sub> Nanorods Fabricated Using the Electrospinning Method in Y-Ba-Cu-O Single Grain Bulk Superconductors. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	8
13	UV-induced synthesis of silver nanofiber networks as transparent electrodes. Journal of Materials Chemistry C, 2016, 4, 7675-7682.	5.5	12
14	Novel Loading-free Joining Process for YBCO Single-Grain Bulks. Journal of the American Ceramic Society, 2016, 99, 3581-3585.	3.8	1
15	Facile Synthesis of Silver Nanoparticles with Application of Reproducible Surface Enhanced Raman Scattering Substrates. Analytical Letters, 2016, 49, 1198-1208.	1.8	1
16	Constitutive Relationship Modeling and Characterization of Flow Behavior under Hot Working for Fe-Cr-Ni-W-Cu-Co Super-Austenitic Stainless Steel. Metals, 2015, 5, 1717-1731.	2.3	22
17	Conducting Silver Networks Based on Electrospun Poly(Methyl Methacrylate) and Silver Trifluoroacetate. ACS Applied Materials & Interfaces, 2015, 7, 9479-9485.	8.0	14
18	Effect of Laser Drilling on the Microstructure and Luminescence of <math>\text{YAG}:\text{Ce,Si}</math> Phosphor Ceramics. International Journal of Applied Ceramic Technology, 2015, 12, 745-749.	2.1	4

#	ARTICLE	IF	CITATIONS
19	An in situ study on the coalescence of monolayer-protected Au-Ag nanoparticle deposits upon heating. Nanoscale Research Letters, 2014, 9, 438.	5.7	9
20	Effects of Annealing on Magnetic Properties of Electrical Steel and Performances of SRM After Punching. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	26
21	The Optimal Growth of Single Grain Bulk $\text{YBaCuO}$ Superconductors With $\text{NdCuO}$ Thin Film Seed. IEEE Transactions on Applied Superconductivity, 2013, 23, 6800204-6800204.	1.7	5
22	Crystal Structure and Optical Performance of $\text{Al}^{3+}$ and $\text{Ce}^{3+}$ Codoped $\text{Ca}_3\text{Sc}_2\text{Si}_3\text{O}_{12}$ Green Phosphors for White LEDs. Journal of the American Ceramic Society, 2013, 96, 234-240.	3.8	13
23	Annealing Effect on the Properties of $\text{CuIn}_{0.7}\text{Ga}_{0.3}\text{Se}$ Thin Films Grown by Femtosecond Pulsed Laser Deposition. Journal of the American Ceramic Society, 2013, 96, 2419-2423.	3.8	13
24	Phase transformation of Cu@Ag core-shell nanoparticles upon heating. , 2012, , .		0
25	Enhancement of Photoluminescence and Color Purity of $\text{CaTiO}_3$ : $\text{Eu}$ Phosphor by $\text{Li}$ Doping. Journal of the American Ceramic Society, 2012, 95, 1360-1366.	3.8	138
26	Low Porosity FeSe Preferred Orientation Crystal Growth by Bridgman Method. IEEE Transactions on Applied Superconductivity, 2011, 21, 2845-2848.	1.7	6
27	Effect of Sol-Gel Derived Nano-Scale $\text{Y}_2\text{Ba}_4\text{CuAgO}_m$ Addition in Bulk Y-Ba-Cu-O Superconductors. IEEE Transactions on Applied Superconductivity, 2011, 21, 2710-2713.	1.7	0
28	Improved Photoluminescence of $\text{Y}_3\text{Al}_5\text{O}_{12}$ :Ce Nanoparticles by Silica Coating. Journal of the American Ceramic Society, 2010, 93, 1688-1691.	3.8	33
29	The Characterization of N Interstitials and Dangling Bond Point Defects on Ion-Implanted GaN Nanowires Studied by Photoluminescence and X-Ray Absorption Spectroscopy. Journal of the American Ceramic Society, 2010, 93, 3531-3534.	3.8	7
30	Enhancement of white light emission from novel $\text{Ca}_3\text{Y}_2\text{Si}_3\text{O}_{12}:\text{Dy}^{3+}$ phosphors with $\text{Ce}^{3+}$ ion codoping. Journal of Applied Physics, 2010, 108, 023111.	2.5	40
31	Phase transformation of metallic nanoparticle deposits for the electrodes of flexible electronics. , 2010, , .		0
32	Observations on the melting of Au nanoparticle deposits and alloying with Ni via in situ synchrotron radiation x-ray diffraction. Applied Physics Letters, 2009, 95, 131905.	3.3	8
33	Notation="TeX"&gt;\$c\$&lt;/tex&gt;&lt;/formula&gt; Lattice Phase in &lt;formula&gt; &lt;tex&gt;\$\text{SmBa}_2\text{Cu}_3\text{O}_7\$&lt;/tex&gt;&lt;/formula&gt; Films Grown in Low- &lt;formula&gt; &lt;tex&gt;\$P_{\text{O}_2}\$&lt;/tex&gt;&lt;/formula&gt; Atmosphere by Pulse Laser Deposition. IEEE Transactions on Applied Superconductivity, 2009, 19, 3383-3386.	1.7	1
34	Effect of Calcination Temperature and Concentration on Luminescence Properties of Novel $\text{Ca}_3\text{Y}_2\text{Si}_3\text{O}_{12}:\text{Eu}$ Phosphors. Journal of the American Ceramic Society, 2009, 92, 2953-2956.	3.8	55
35	Photoluminescence Enhancement of $\text{Y}_3\text{Al}_5\text{O}_{12}:\text{Ce}$ Nanoparticles Using HMDS. Journal of the American Ceramic Society, 2008, 91, 3599-3602.	3.8	16
36	Implementation of a Non-Contact X-Y Mover With High Temperature Superconductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 2075-2078.	1.7	1

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37	Nano-Scale Pinning Centers in $\text{Y}_{2}\text{BaCuO}_{5}$ Doped Sm-Ba-Cu-O Superconductor. IEEE Transactions on Applied Superconductivity, 2007, 17, 2957-2960.	1.7	5
38	Microstructure and electroluminescence of ZnS:Cu,Cl phosphor powders prepared by firing with CuS nanocrystallites. Journal of Electroceramics, 2006, 17, 299-303.	2.0	17
39	Effect of different nanoscale RE <sub>2</sub> BaCuO <sub>5</sub> additions on the formation of compositional fluctuation in Sm-Ba-Cu-O superconducting bulk materials. Journal of Materials Research, 2005, 20, 482-488.	2.6	8
40	Effect of the Particle Size of Micro-Scale and Nano-Scale Additions on the Formation of Compositional Fluctuations in Sm-Ba-Cu-O Material. IEEE Transactions on Applied Superconductivity, 2005, 15, 3742-3745.	1.7	1
41	A Semi-Quantitative Method to Analyze the Complex Pinning Mechanisms in Single-Grained High- $T_c$ Superconductors. IEEE Transactions on Applied Superconductivity, 2005, 15, 3754-3757.	1.7	1
42	Study of the Heterogeneous Nucleation of 211-Particle by the Addition of $\text{SmCeO}_{2}$ Precursor With Different Sizes. IEEE Transactions on Applied Superconductivity, 2005, 15, 3118-3121.	1.7	1
43	Effect of Nano-Sized Sm <sub>2</sub> BaCuO <sub>5</sub> Particles Addition on the Pinning Mechanism of Sm-Ba-Cu-O Materials. Journal of Materials Research, 2004, 19, 843-850.	2.6	17
44	Effect of Nano-Scale Additions on the Enhancement of Superconductivity in Y-Ba-Cu-O Materials. Journal of Electroceramics, 2004, 13, 857-863.	2.0	3
45	The relationship between nano-scale Sm <sub>211</sub> /Sm <sub>123</sub> interfaces and superconductivity of Sm-Ba-Cu-O materials. IEEE Transactions on Applied Superconductivity, 2003, 13, 3180-3183.	1.7	7
46	Pinning mechanism of the high critical current density Sm-Ba-Cu-O superconductors with Sm <sub>210</sub> /Pd/Pt/CeO <sub>2</sub> addition. IEEE Transactions on Applied Superconductivity, 2003, 13, 3087-3090.	1.7	2
47	Photoluminescence of Nano-scaled YAG:Ce Phosphor Powders. Materials Research Society Symposia Proceedings, 2002, 727, 1.	0.1	1
48	Relation between Deformability and Microstructures in a Commercial Pure Ti Sheet Subjected to Dual-temperature Square-shaped Deep Drawing. ISIJ International, 2001, 41, 37-45.	1.4	1
49	Preparation and magnetic properties of BaCo <sub>2</sub> Z and SrZn <sub>2</sub> Y ferrites. Journal of Applied Physics, 2000, 87, 6247-6249.	2.5	32
50	Materials, Characterization, and Application of Single-Grained Y-Ba-Cu-O Superconductors. Materials Transactions, JIM, 1996, 37, 509-513.	0.9	8
51	Design and implementation of a non-contact X-Y table with high temperature superconductors. , 0, , .		1