

# Yuanqing Chen

## List of Publications by Year in descending order

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papers

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759233

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times ranked

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#	ARTICLE	IF	CITATIONS
1	The corrosion behavior of ultra-fine grained CoNiFeCrMn high-entropy alloys. Journal of Alloys and Compounds, 2020, 816, 152583.	5.5	53
2	The deformation behavior and strain rate sensitivity of ultra-fine grained CoNiFeCrMn high-entropy alloys at temperatures ranging from 77â€°K to 573â€°K. Journal of Alloys and Compounds, 2019, 791, 962-970.	5.5	47
3	An advanced low-fluorine solution route for fabrication of high-performance YBCO superconducting films. Superconductor Science and Technology, 2012, 25, 062001.	3.5	37
4	In situ synthesis and characterization of fine-patterned La and Mn co-doped BiFeO <sub>3</sub> film. Journal of Alloys and Compounds, 2013, 570, 19-22.	5.5	28
5	Polarization dependent ferroelectric photovoltaic effects in BFTO/CuO thin films. Applied Physics Letters, 2017, 111, .	3.3	27
6	Resistive Switching Characteristics of Flexible TiO <sub>2</sub> Thin Film Fabricated by Deep Ultraviolet Photochemical Solution Method. IEEE Electron Device Letters, 2017, 38, 1528-1531.	3.9	26
7	Fabrication of YBCO film patterns and their properties. Superconductor Science and Technology, 2008, 21, 125016.	3.5	22
8	High rate deposition of thick YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> superconducting films using low-fluorine solution. Superconductor Science and Technology, 2007, 20, 251-255.	3.5	21
9	Low temperature UV assisted sol-gel preparation of ZrO <sub>2</sub> pore-sealing films on micro-arc oxidized magnesium alloy AZ91D and their electrochemical corrosion behaviors. Journal of Alloys and Compounds, 2019, 792, 1036-1044.	5.5	21
10	Corrosion behavior of a sol-gel ZrO <sub>2</sub> pore-sealing film prepared on a micro-arc oxidized aluminum alloy. Ceramics International, 2019, 45, 11062-11067.	4.8	18
11	Ferromagnetic Co-doped ZnO film and fine patterns prepared using photosensitive sol-gel method. Journal of Sol-Gel Science and Technology, 2010, 54, 325-328.	2.4	17
12	Fabrication of PZT/CuO composite films and their photovoltaic properties. Journal of Sol-Gel Science and Technology, 2018, 87, 285-291.	2.4	14
13	UV-assisted low-temperature sol-gel deposition of Pb(Zr <sub>0.4</sub> Ti <sub>0.6</sub> )O <sub>3</sub> film and its photoelectrical properties. Journal of Sol-Gel Science and Technology, 2017, 83, 647-652.	2.4	13
14	Ultralow-fluorine sol-gel deposition of thick YBCO multilayer films. Journal of Sol-Gel Science and Technology, 2015, 75, 574-581.	2.4	12
15	High Critical Current Density of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> Superconducting Films Prepared through a DUV-assisted Solution Deposition Process. Scientific Reports, 2016, 6, 38257.	3.3	11
16	High-efficiency preparation of high-quality YBCO superconducting films using an ultralow-fluorine sol-gel method. Journal of Sol-Gel Science and Technology, 2015, 74, 249-255.	2.4	10
17	Manipulation of YBCO film properties by the introduction of perovskite BaTiO <sub>3</sub> nanodots as substrate decorations. Journal of the European Ceramic Society, 2016, 36, 3417-3422.	5.7	10
18	Resistive switching IGZO micro-arrays realized through UV assisted photochemical solution method. Journal of Sol-Gel Science and Technology, 2018, 88, 601-608.	2.4	10

#	ARTICLE	IF	CITATIONS
19	All chemical solution deposition of textured $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}/\text{Y}_{0.2}\text{Ce}_{0.8}\text{O}_2/\text{La}_{0.5}\text{Zr}_{0.5}\text{O}_2$ films on biaxially textured NiW tape. <i>Superconductor Science and Technology</i> , 2015, 28, 075015.		
20	Effect of F/Ba ratio of precursor solution on the properties of solution-processed YBCO superconducting films. <i>Ceramics International</i> , 2017, 43, 8433-8439.	4.8	9
21	Ultraviolet-assisted direct patterning and low-temperature formation of flexible $\text{ZrO}_2$ resistive switching arrays on PET/ITO substrates. <i>Nanotechnology</i> , 2017, 28, 485707.	2.6	9
22	Properties of UV-irradiated $\text{TiO}_2$ , $\text{ZrO}_2$ , and $\text{TiO}_2\text{-ZrO}_2$ films as pore-sealing layers on micro-arc-oxidized aluminum alloys. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 93, 70-78.	2.4	9
23	One-step synthesis of $\text{Ni}_0.5\text{Zn}_0.5\text{Fe}_2\text{O}_4$ fine-patterned films via photosensitive sol-gel route. <i>Ceramics International</i> , 2013, 39, 7721-7725.	4.8	8
24	Ultrafine nanocrystal precursor induced $J_c$ increase of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ films prepared using advanced low-fluorine solution. <i>Journal of Alloys and Compounds</i> , 2013, 576, 265-270.	5.5	6
25	Synthesis and characterization of $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ , $(\text{Bi}_{3.25}\text{La}_{0.75})\text{Ti}_3\text{O}_{12}$ , and $\text{Bi}_4\text{Ti}_3\text{O}_{12}/(\text{Bi}_{3.25}\text{La}_{0.75})\text{Ti}_3\text{O}_{12}$ multilayered films prepared using novel photochemical sol-gel method. <i>Materials Letters</i> , 2012, 66, 357-359.	2.6	4
26	N-doped reduced graphene oxide/ $\text{Co}_0.85\text{Se}$ microflowers with high mass loading as battery-type materials for quasi-solid-state hybrid supercapacitors. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161801.	5.5	4
27	Photosensitive sol-gel preparation and micro-patterning of (100)-oriented $(\text{Ba}_{0.7}\text{Sr}_{0.3})\text{TiO}_3$ film on $\text{LaNiO}_3$ electrode. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 59, 164-168.	2.4	3
28	Strong pinning in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ films with SDP-derived amorphous $\text{Y}_2\text{O}_3$ layers. <i>Physica C: Superconductivity and Its Applications</i> , 2014, 507, 31-34.	1.2	3
29	Sol-gel preparation and characterization of epitaxial $\text{Y}_{0.5}\text{Ce}_{0.5}\text{O}_{1.75}$ films on biaxially-textured NiW tapes. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 32-37.	2.4	3
30	Sol-gel deposition of high-performance $\text{Re}_{0.2}\text{Ce}_{0.8}\text{O}_2/\text{La}_2\text{Zr}_2\text{O}_7$ composite buffer layers on NiW tapes for YBCO coated conductors. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 77, 94-99.	2.4	3
31	Effect of La/Zr ratio in the precursor solution on the properties of $\text{La}_2\text{Zr}_2\text{O}_7$ and $\text{CeO}_2/\text{La}_2\text{Zr}_2\text{O}_7$ films. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 82, 586-593.	2.4	2
32	Water-vapor assisted photochemical fabrication of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ superconducting films with high critical current density. <i>Journal of Alloys and Compounds</i> , 2017, 727, 1036-1043.	5.5	2
33	Facile and efficient preparation of high-performance $\text{REBa}_2\text{Cu}_3\text{O}_{7-x}$ superconducting films through a novel fluorinated solution route. <i>Journal of Fluorine Chemistry</i> , 2013, 148, 36-40.	1.7	1
34	Enhanced Flux Pinning and Critical Current Density of $\text{BaZrO}_3$ -Doped $\text{Y}_{0.75}\text{Gd}_{0.25}\text{Ba}_2\text{Cu}_3\text{O}_7$ Superconducting Films Prepared Using Advanced Low-Fluorine Solution. <i>IEEE Transactions on Applied Superconductivity</i> , 2013, 23, 75-79.	1.7	1
35	Development of low-fluorine solution route and UV photolysis process for $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ coated conductors. <i>MRS Communications</i> , 2018, 8, 1037-1042.	1.8	1
36	Fabrication and characterization of micropatterned $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ films via the UV assisted photosensitive solution deposition method. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 93, 678-686.	2.4	1