Min Yi

List of Publications by Year
in descending order

131 papers	6,653 citations	71102 41 h-index	66911 78 g-index
132 all docs	132 docs citations	132 times ranked	8859 citing authors

#	Article	IF	Citations
1	Phase-field modelling of paramagnetic austeniteâ€“ferromagnetic martensite transformation coupled with mechanics and micromagnetics. International Journal of Solids and Structures, 2022, 238, 111365.	2.7	9
2	Synthesis and magnetic properties of bulk Î±â€³-Fe16N2/SrAl2Fe10O19 composite magnets. Journal of Magnetism and Magnetic Materials, 2021, 518, 167414.	2.3	7
3	Muconic acid as high-performance organic anode for lithium ion batteries. Journal of Alloys and Compounds, 2021, 865, 158573.	5.5	11
4	Graphene-based pressure sensor and strain sensor for detecting human activities. Smart Materials and Structures, 2021, 30, 085027.	3.5	17
5	High and Anomalous Thermal Conductivity in Monolayer MSi₂Z₄ Semiconductors. ACS Applied Materials & Interfaces, 2021, 13, 45907-45915.	8.0	27
6	Anisotropic exchange in Ndâ€“Feâ€“B permanent magnets. Materials Research Letters, 2020, 8, 89-96.	8.7	14
7	Calculating the magnetocaloric effect in second-order-type material by micromagnetic simulations: A case study on Co2B. Scripta Materialia, 2020, 177, 218-222.	5.2	0
8	Electric field induced magnetization reversal in magnet/insulator nanoheterostructure. International Journal of Smart and Nano Materials, 2020, 11, 298-309.	4.2	5
9	Graphene Coating for Enhancing the Atom Oxygen Erosion Resistance of Kapton. Coatings, 2020, 10, 644.	2.6	6
10	Probing Charge Accumulation at SrMnO₃/SrTiO₃ Heterointerfaces via Advanced Electron Microscopy and Spectroscopy. ACS Nano, 2020, 14, 12697-12707.	14.6	9
11	Facile preparation of MoS2/maleic acid composite as high-performance anode for lithium ion batteries. New Journal of Chemistry, 2020, 44, 15887-15894.	2.8	1
12	Scalable and Highâ€Performance Graphene/Graphite Nanosheet Composite Anode for Lithium Ion Batteries via Jet Cavitation. Energy Technology, 2020, 8, 2000511.	3.8	0
13	Unprecedented and highly stable lithium storage capacity of (001) faceted nanosheet-constructed hierarchically porous TiO2/rGO hybrid architecture for high-performance Li-ion batteries. National Science Review, 2020, 7, 1046-1058.	9.5	46
14	Non-isothermal Phase-Field Modeling of Heatâ€“Meltâ€“Microstructure-Coupled Processes During Powder Bed Fusion. Jom, 2020, 72, 1719-1733.	1.9	15
15	3D non-isothermal phase-field simulation of microstructure evolution during selective laser sintering. Npj Computational Materials, 2019, 5, .	8.7	60
16	Hydraulic Compaction on Electrode To Improve the Volumetric Energy Density of LiFePO₄/Graphite Batteries. Industrial & Engineering Chemistry Research, 2019, 58, 15407-15415.	3.7	11
17	Calculating temperature-dependent properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Nd</mml:mi><mml:mn>2</mml:mn></mml:mrow><mml:mrow><mml:mi mathvariant="normal">B</mml:mi></mml:mrow></mml:math> permanent magnets by atomistic spin model simulations. Physical Review B, 2019, 99, .	3.2	37
18	Liquid-exfoliated graphene as highly efficient conductive additives for cathodes in lithium ion batteries. Carbon, 2019, 153, 156-163.	10.3	45

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19	Enhanced thermal and mechanical properties of poly (vinylidene fluoride) nanocomposites reinforced by liquid-exfoliated graphene. Journal of Macromolecular Science - Pure and Applied Chemistry, 2019, 56, 733-740.	2.2	15
20	Computational study on microstructure evolution and magnetic property of laser additively manufactured magnetic materials. Computational Mechanics, 2019, 64, 917-935.	4.0	14
21	Coating LiFePO 4 with Conductive Nanodots by Magnetron Sputtering: Toward Highâ€Performance Cathode for Lithiumâ€Ion Batteries. Energy Technology, 2019, 7, 1800634.	3.8	7
22	Strain-mediated magnetoelectric effect for the electric-field control of magnetic states in nanomagnets. Acta Mechanica, 2019, 230, 1247-1256.	2.1	8
23	Multiscale simulations toward calculating coercivity of Nd-Fe-B permanent magnets at high temperatures. Physical Review Materials, 2019, 3, .	2.4	26
24	Anisotropic local hardening in hot-deformed Nd-Fe-B permanent magnets. Acta Materialia, 2018, 147, 176-183.	7.9	20
25	Correlation between Mechanical Strength of Amorphous TiO₂ Nanotubes and Their Solid State Crystallization Pathways. ChemistrySelect, 2018, 3, 10711-10716.	1.5	0
26	Enabling nanoscale flexoelectricity at extreme temperature by tuning cation diffusion. Nature Communications, 2018, 9, 4445.	12.8	19
27	Use of Hematopoietic Growth Factors in Elderly Lung Cancer Patients Receiving Chemotherapy. American Journal of Clinical Oncology: Cancer Clinical Trials, 2017, 40, 66-74.	1.3	5
28	Experimental and computational analysis of magnetization reversal in (Nd,Dy)-Fe-B core shell sintered magnets. Acta Materialia, 2017, 127, 498-504.	7.9	53
29	Developing a new controllable lunar dust simulant: BHLD20. Planetary and Space Science, 2017, 141, 17-24.	1.7	13
30	Direct exfoliation of graphite in water with addition of ammonia solution. Journal of Colloid and Interface Science, 2017, 503, 68-75.	9.4	37
31	Selfâ€Stacked, Smallâ€Sized MoS₂ Nanosheets for Highâ€Performance Lithiumâ€Ion Batteries. Energy Technology, 2017, 5, 2039-2045.	3.8	4
32	Magnetron-sputtering fabrication of noble metal nanodots coated TiO 2 nanoparticles with enhanced photocatalytic performance. Materials and Design, 2017, 125, 94-99.	7.0	21
33	Voltage-driven charge-mediated fast 180 degree magnetization switching in nanoheterostructure at room temperature. Npj Computational Materials, 2017, 3, .	8.7	10
34	Multiscale Examination of Strain Effects in Nd-Fe-B Permanent Magnets. Physical Review Applied, 2017, 8, .	3.8	15
35	Outcomes of Sentinel Lymph Node-Positive Breast Cancer Patients Treated with Mastectomy Without Axillary Therapy. Annals of Surgical Oncology, 2017, 24, 652-659.	1.5	41
36	Liquid-exfoliated MoS 2 nanosheets/graphene composites with high capacity and excellent cycle stability for lithium-ion batteries. Chemical Engineering Journal, 2017, 311, 293-301.	12.7	41

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37	Cytoplasmic Cyclin E Predicts Recurrence in Patients with Breast Cancer. Clinical Cancer Research, 2017, 23, 2991-3002.	7.0	46
38	Risk of subsequent primary malignancies among patients with prior colorectal cancer: a population-based cohort study. OncoTargets and Therapy, 2017, Volume 10, 1535-1548.	2.0	13
39	Cyclin E overexpression as a biomarker for combination treatment strategies in inflammatory breast cancer. Oncotarget, 2017, 8, 14897-14911.	1.8	35
40	Incidence and survival differences in esophageal cancer among ethnic groups in the United States. Oncotarget, 2017, 8, 47037-47051.	1.8	46
41	Comparative Analysis of Clinicopathologic Features of, Treatment in, and Survival of Americans with Lung or Bronchial Cancer. PLoS ONE, 2016, 11, e0156617.	2.5	9
42	Micromagnetic simulations on the grain shape effect in Nd-Fe-B magnets. Journal of Applied Physics, 2016, 120, .	2.5	31
43	Operative and Oncologic Outcomes in 9861 Patients with Operable Breast Cancer: Single-Institution Analysis of Breast Conservation with Oncoplastic Reconstruction. Annals of Surgical Oncology, 2016, 23, 3190-3198.	1.5	119
44	Fluid dynamics: an emerging route for the scalable production of graphene in the last five years. RSC Advances, 2016, 6, 72525-72536.	3.6	39
45	A stereographic projection based phase field model for ferromagnetics. Proceedings in Applied Mathematics and Mechanics, 2016, 16, 499-500.	0.2	0
46	A real-space and constraint-free phase field model for the microstructure of ferromagnetic shape memory alloys. International Journal of Fracture, 2016, 202, 179-194.	2.2	5
47	The effect of surfactants and their concentration on the liquid exfoliation of graphene. RSC Advances, 2016, 6, 56705-56710.	3.6	82
48	Cytoplasmic Cyclin E and Phosphoâ€“Cyclin-Dependent Kinase 2 Are Biomarkers of Aggressive Breast Cancer. American Journal of Pathology, 2016, 186, 1900-1912.	3.8	42
49	One-step in situ preparation of liquid-exfoliated pristine graphene/Si composites: towards practical anodes for commercial lithium-ion batteries. New Journal of Chemistry, 2016, 40, 7053-7060.	2.8	17
50	A phase-field model of relaxor ferroelectrics based on random field theory. International Journal of Solids and Structures, 2016, 83, 142-153.	2.7	28
51	Stable Aqueous Dispersion of Exfoliated Graphene for Tribological Applications. Journal of Nanoscience and Nanotechnology, 2016, 16, 1491-1497.	0.9	4
52	In-situ exfoliated graphene for high-performance water-based lubricants. Carbon, 2016, 96, 1181-1190.	10.3	168
53	Characteristics of Differently Located Colorectal Cancers Support Proximal and Distal Classification: A Population-Based Study of 57,847 Patients. PLoS ONE, 2016, 11, e0167540.	2.5	55
54	Organizing a breast cancer database: data management. Chinese Clinical Oncology, 2016, 5, 45-45.	1.2	2

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55	A finite element phase field model for relaxor ferroelectrics. Proceedings in Applied Mathematics and Mechanics, 2015, 15, 723-726.	0.2	0
56	A review on mechanical exfoliation for the scalable production of graphene. Journal of Materials Chemistry A, 2015, 3, 11700-11715.	10.3	1,207
57	Is Sentinel Lymph Node Dissection Warranted for Patients with a Diagnosis of Ductal Carcinoma In Situ?. Annals of Surgical Oncology, 2015, 22, 4270-4279.	1.5	62
58	Phase field simulation on mechanically induced 180 degree switching in nanomagnets. Proceedings in Applied Mathematics and Mechanics, 2015, 15, 441-442.	0.2	2
59	Effects of Processing Parameters on Massive Production of Graphene by Jet Cavitation. Journal of Nanoscience and Nanotechnology, 2015, 15, 2686-2694.	0.9	31
60	Evaluation of the Stage IB Designation of the American Joint Committee on Cancer Staging System in Breast Cancer. Journal of Clinical Oncology, 2015, 33, 1119-1127.	1.6	36
61	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si10.gif" display="inline" overflow="scroll"><mml:mn>180</mml:mn><mml:mi>Â°</mml:mi></mml:math>magnetization switching in nanocylinders by a mechanical strain. Extreme Mechanics Letters, 2015, 3, 66-71.	4.1	19
62	Mechanically induced deterministic 180Â° switching in nanomagnets. Mechanics of Materials, 2015, 87, 40-49.	3.2	12
63	Simultaneous inference of a misclassified outcome and competing risks failure time data. Journal of Applied Statistics, 2015, 42, 1080-1090.	1.3	2
64	Effects of magnetocrystalline anisotropy and magnetization saturation on the mechanically induced switching in nanomagnets. Journal of Applied Physics, 2015, 117, 103905.	2.5	13
65	Size-selected boron nitride nanosheets as oxygen-atom corrosion resistant fillers. RSC Advances, 2015, 5, 2983-2987.	3.6	28
66	Breast Conservation in the Setting of Contemporary Multimodality Treatment Provides Excellent Outcomes for Patients with Occult Primary Breast Cancer. Annals of Surgical Oncology, 2015, 22, 90-95.	1.5	34
67	Abstract 3772: Cyclin E as a prognostic marker and predictor of response to neoadjuvant chemotherapy and adjuvant hormonal therapy in patients with stage II-III breast cancer. , 2015, , .		0
68	Outcomes of Sentinel Lymph Node Dissection Alone vs. Axillary Lymph Node Dissection in Early Stage Invasive Lobular Carcinoma: A Retrospective Study of the Surveillance, Epidemiology and End Results (SEER) Database. PLoS ONE, 2014, 9, e89778.	2.5	37
69	Enhanced atomic oxygen erosion resistance and mechanical properties of graphene/cellulose acetate composite films. Journal of Applied Polymer Science, 2014, 131, .	2.6	12
70	Boron nitride nanosheets as oxygen-atom corrosion protective coatings. Applied Physics Letters, 2014, 104, .	3.3	76
71	A constraint-free phase field model for ferromagnetic domain evolution. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2014, 470, 20140517.	2.1	29
72	Joint model for a diagnostic test without a gold standard in the presence of a dependent terminal event. Statistics in Medicine, 2014, 33, 2554-2566.	1.6	9

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73	Elafin is downregulated during breast and ovarian tumorigenesis but its residual expression predicts recurrence. Breast Cancer Research, 2014, 16, 3417.	5.0	21
74	Graphene for reducing bubble defects and enhancing mechanical properties of graphene/cellulose acetate composite films. Journal of Materials Science, 2014, 49, 321-328.	3.7	41
75	Boron nitride nanosheets with controlled size and thickness for enhancing mechanical properties and atomic oxygen erosion resistance. RSC Advances, 2014, 4, 37726-37732.	3.6	23
76	A green, rapid and size-controlled production of high-quality graphene sheets by hydrodynamic forces. RSC Advances, 2014, 4, 36464-36470.	3.6	111
77	Adding ethanol can effectively enhance the graphene concentration in waterâ€“surfactant solutions. RSC Advances, 2014, 4, 25374-25378.	3.6	19
78	Investigating the Nature of Graphene-Based Films Prepared by Vacuum Filtration of Graphene Dispersions. Journal of Nanoscience and Nanotechnology, 2014, 14, 4969-4975.	0.9	7
79	Kitchen blender for producing high-quality few-layer graphene. Carbon, 2014, 78, 622-626.	10.3	157
80	Exploring few-layer graphene and graphene oxide as fillers to enhance the oxygen-atom corrosion resistance of composites. Physical Chemistry Chemical Physics, 2014, 16, 11162-11167.	2.8	26
81	Impact of Identification of Internal Mammary Sentinel Lymph Node Metastasis in Breast Cancer Patients. Annals of Surgical Oncology, 2014, 21, 60-65.	1.5	38
82	Predicting the Extent of Nodal Disease in Early-Stage Breast Cancer. Annals of Surgical Oncology, 2014, 21, 3440-3447.	1.5	98
83	A fluid dynamics route for producing graphene and its analogues. Science Bulletin, 2014, 59, 1794-1799.	1.7	32
84	One-step green synthesis of graphene nanomesh by fluid-based method. RSC Advances, 2014, 4, 16127.	3.6	28
85	Crossover Effects of Estrogen Receptor Status on Breast Cancer-Specific Hazard Rates by Age and Race. PLoS ONE, 2014, 9, e110281.	2.5	7
86	Elafin, an inhibitor of elastase, is a prognostic indicator in breast cancer. Breast Cancer Research, 2013, 15, R3.	5.0	40
87	Controllable functionalization and wettability transition of graphene-based films by an atomic oxygen strategy. Journal of Nanoparticle Research, 2013, 15, 1811.	1.9	18
88	Water can stably disperse liquid-exfoliated graphene. Chemical Communications, 2013, 49, 11059.	4.1	58
89	Other Primary Malignancies in Breast Cancer Patients Treated with Breast Conserving Surgery and Radiation Therapy. Annals of Surgical Oncology, 2013, 20, 1514-1521.	1.5	21
90	Impact of the American College of Surgeons Oncology Group Z0011 Criteria Applied to a Contemporary Patient Population. Journal of the American College of Surgeons, 2013, 216, 105-113.	0.5	63

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91	Graphene-reinforced epoxy resin with enhanced atomic oxygen erosion resistance. Journal of Materials Science, 2013, 48, 2416-2423.	3.7	33
92	Hydrodynamics-assisted scalable production of boron nitride nanosheets and their application in improving oxygen-atom erosion resistance of polymeric composites. Nanoscale, 2013, 5, 10660.	5.6	53
93	Achieving concentrated graphene dispersions in water/acetone mixtures by the strategy of tailoring Hansen solubility parameters. Journal Physics D: Applied Physics, 2013, 46, 025301.	2.8	133
94	Long-Term Outcomes in Patients with Radiation-Associated Angiosarcomas of the Breast Following Surgery and Radiotherapy for Breast Cancer. Annals of Surgical Oncology, 2013, 20, 1267-1274.	1.5	116
95	A Bayesian model for misclassified binary outcomes and correlated survival data with applications to breast cancer. Statistics in Medicine, 2013, 32, 2320-2334.	1.6	3
96	Hbo1 Is a Cyclin E/CDK2 Substrate That Enriches Breast Cancer Stem-like Cells. Cancer Research, 2013, 73, 5556-5568.	0.9	46
97	Impact of Chemotherapy Sequencing on Local-Regional Failure Risk in Breast Cancer Patients Undergoing Breast-Conserving Therapy. Annals of Surgery, 2013, 257, 173-179.	4.2	83
98	Outcomes of sentinel lymph node-positive breast cancer patients treated with mastectomy without axillary therapy.. Journal of Clinical Oncology, 2013, 31, 53-53.	1.6	0
99	LMW-E/CDK2 Deregulates Acinar Morphogenesis, Induces Tumorigenesis, and Associates with the Activated b-Raf-ERK1/2-mTOR Pathway in Breast Cancer Patients. PLoS Genetics, 2012, 8, e1002538.	3.5	35
100	Evaluation of a Breast Cancer Nomogram for Predicting Risk of Ipsilateral Breast Tumor Recurrences in Patients With Ductal Carcinoma in Situ After Local Excision. Journal of Clinical Oncology, 2012, 30, 600-607.	1.6	107
101	Reply to K.J. Van Zee et al. Journal of Clinical Oncology, 2012, 30, 3144-3145.	1.6	4
102	Tamoxifen Increases the Risk of Microvascular Flap Complications in Patients Undergoing Microvascular Breast Reconstruction. Plastic and Reconstructive Surgery, 2012, 129, 305-314.	1.4	53
103	Incorporation of Sentinel Lymph Node Metastasis Size Into a Nomogram Predicting Nonsentinel Lymph Node Involvement in Breast Cancer Patients With a Positive Sentinel Lymph Node. Annals of Surgery, 2012, 255, 109-115.	4.2	116
104	Vessel diameter and liquid height dependent sonication-assisted production of few-layer graphene. Journal of Materials Science, 2012, 47, 8234-8244.	3.7	25
105	A mixed-solvent strategy for facile and green preparation of graphene by liquid-phase exfoliation of graphite. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	111
106	Experimental study on a designed jet cavitation device for producing two-dimensional nanosheets. Science China Technological Sciences, 2012, 55, 2815-2819.	4.0	14
107	The Role for Sentinel Lymph Node Dissection after Neoadjuvant Chemotherapy in Patients who Present with Node-Positive Breast Cancer. Annals of Surgical Oncology, 2012, 19, 3177-3184.	1.5	157
108	Comparative analysis of clinicopathologic features, treatment, and survival of Asian women with a breast cancer diagnosis residing in the United States. Cancer, 2012, 118, 4117-4125.	4.1	33

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109	Impact of internal mammary lymph node drainage identified by preoperative lymphoscintigraphy on outcomes in patients with stage I to III breast cancer. Cancer, 2012, 118, 6287-6296.	4.1	33
110	Optimization of mechanical properties of bulk metallic glasses by residual stress adjustment using laser surface melting. Scripta Materialia, 2012, 66, 1057-1060.	5.2	32
111	Nomogram to predict sentinel lymph node involvement in patients with clinically node-negative breast cancer receiving neoadjuvant chemotherapy.. Journal of Clinical Oncology, 2012, 30, 150-150.	1.6	2
112	Classification of Ipsilateral Breast Tumor Recurrences After Breast Conservation Therapy Can Predict Patient Prognosis and Facilitate Treatment Planning. Annals of Surgery, 2011, 253, 572-579.	4.2	60
113	Local, regional, and systemic recurrence rates in patients undergoing skinâ€sparing mastectomy compared with conventional mastectomy. Cancer, 2011, 117, 916-924.	4.1	87
114	Morphology and structure of mono- and few-layer graphene produced by jet cavitation. Applied Physics Letters, 2011, 99, .	3.3	33
115	Preparation of graphene by jet cavitation. Nanotechnology, 2011, 22, 365306.	2.6	100
116	Novel Staging System for Predicting Disease-Specific Survival in Patients With Breast Cancer Treated With Surgery As the First Intervention: Time to Modify the Current American Joint Committee on Cancer Staging System. Journal of Clinical Oncology, 2011, 29, 4654-4661.	1.6	92
117	Does Blue Dye Contribute to Success of Sentinel Node Mapping for Breast Cancer?. Annals of Surgical Oncology, 2010, 17, 280-285.	1.5	29
118	Trends in and Outcomes from Sentinel Lymph Node Biopsy (SLNB) Alone vs. SLNB with Axillary Lymph Node Dissection for Node-Positive Breast Cancer Patients: Experience from the SEER Database. Annals of Surgical Oncology, 2010, 17, 343-351.	1.5	164
119	Sentinel Lymph Node Dissection Is Technically Feasible in Older Breast Cancer Patients. Clinical Breast Cancer, 2010, 10, 477-482.	2.4	5
120	Factors Affecting the Decision of Breast Cancer Patients to Undergo Contralateral Prophylactic Mastectomy. Cancer Prevention Research, 2010, 3, 1026-1034.	1.5	138
121	Predictors of contralateral breast cancer in patients with unilateral breast cancer undergoing contralateral prophylactic mastectomy. Cancer, 2009, 115, 962-971.	4.1	56
122	Sentinel Lymph Node Surgery After Neoadjuvant Chemotherapy is Accurate and Reduces the Need for Axillary Dissection in Breast Cancer Patients. Annals of Surgery, 2009, 250, 558-566.	4.2	270
123	How many sentinel lymph nodes are enough during sentinel lymph node dissection for breast cancer?. Cancer, 2008, 113, 30-37.	4.1	78
124	Lymphovascular Invasion and Lobular Histology are Associated with Increased Incidence of Isolated Tumor Cells in Sentinel Lymph Nodes from Early-Stage Breast Cancer Patients. Annals of Surgical Oncology, 2008, 15, 3369-3377.	1.5	40
125	Role of primary tumor characteristics in predicting positive sentinel lymph nodes in patients with ductal carcinoma in situ or microinvasive breast cancer. American Journal of Surgery, 2008, 196, 81-87.	1.8	67
126	Metastases to the breast from nonbreast solid neoplasms. Cancer, 2007, 110, 731-737.	4.1	151

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127	Low locoregional failure rates in selected breast cancer patients with tumorâ€positive sentinel lymph nodes who do not undergo completion axillary dissection. Cancer, 2007, 110, 723-730.	4.1	145
128	Outcomes of breast-conservation therapy for invasive lobular carcinoma are equivalent to those for invasive ductal carcinoma. American Journal of Surgery, 2006, 192, 552-555.	1.8	61
129	Use of Lymphoscintigraphy Defines Lymphatic Drainage Patterns Before Sentinel Lymph Node Biopsy for Breast Cancer. Journal of the American College of Surgeons, 2006, 203, 64-72.	0.5	37
130	Sentinel lymph node dissection provides axillary control equal to complete axillary node dissection in breast cancer patients with lobular histology and a negative sentinel node. American Journal of Surgery, 2005, 190, 598-601.	1.8	12
131	Tunable Magnetic Anisotropy in Patterned SrRuO ₃ Quantum Structures: Competition between Lattice Anisotropy and Oxygen Octahedral Rotation. Advanced Functional Materials, 0, , 2108475.	14.9	12