

# Yuting Gao

## List of Publications by Year in descending order

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94  
papers

1,959  
citations

279798

23  
h-index

265206

42  
g-index

95  
all docs

95  
docs citations

95  
times ranked

1438  
citing authors

#	ARTICLE	IF	CITATIONS
1	Consequent-Pole Flux-Reversal Permanent-Magnet Machine for Electric Vehicle Propulsion. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	132
2	A Novel Permanent Magnet Vernier Machine With Halbach Array Magnets in Stator Slot Opening. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	102
3	Influence of Pole Ratio and Winding Pole Numbers on Performance and Optimal Design Parameters of Surface Permanent-Magnet Vernier Machines. IEEE Transactions on Industry Applications, 2015, 51, 3707-3715.	4.9	89
4	A Dual-Functional Photosensitizer for Ultraefficient Photodynamic Therapy and Synchronous Anticancer Efficacy Monitoring. Advanced Functional Materials, 2019, 29, 1902673.	14.9	89
5	Polydiacetylene-based ultrastrong bioorthogonal Raman probes for targeted live-cell Raman imaging. Nature Communications, 2020, 11, 81.	12.8	87
6	Spin-Orbit Charge-Transfer Intersystem Crossing (ISC) in Compact Electron Donor-Acceptor Dyads: ISC Mechanism and Application as Novel and Potent Photodynamic Therapy Reagents. Chemistry - A European Journal, 2020, 26, 1091-1102.	3.3	76
7	Efficient Radical-Enhanced Intersystem Crossing in an NDI-TEMPO Dyad: Photophysics, Electron Spin Polarization, and Application in Photodynamic Therapy. Chemistry - A European Journal, 2018, 24, 18663-18675.	3.3	73
8	Investigation of Spoke Array Permanent Magnet Vernier Machine With Alternate Flux Bridges. IEEE Transactions on Energy Conversion, 2018, 33, 2112-2121.	5.2	72
9	Dual-Color Emissive AIEgen for Specific and Label-Free Double-Stranded DNA Recognition and Single-Nucleotide Polymorphisms Detection. Journal of the American Chemical Society, 2019, 141, 20097-20106.	13.7	70
10	Design of Three-Phase Flux-Reversal Machines With Fractional-Slot Windings. IEEE Transactions on Industry Applications, 2016, 52, 2856-2864.	4.9	69
11	A Novel Hybrid Excitation Flux Reversal Machine for Electric Vehicle Propulsion. IEEE Transactions on Vehicular Technology, 2018, 67, 171-182.	6.3	68
12	Force Ripple Minimization of a Linear Vernier Permanent Magnet Machine for Direct-Drive Servo Applications. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	62
13	A Novel Linear Permanent Magnet Vernier Machine With Consequent-Pole Permanent Magnets and Halbach Permanent Magnet Arrays. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	50
14	Design and Analysis of a Flux Reversal Machine With Evenly Distributed Permanent Magnets. IEEE Transactions on Industry Applications, 2018, 54, 172-183.	4.9	46
15	Design of a Double-Side Flux Modulation Permanent Magnet Machine for Servo Application. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1671-1682.	5.4	45
16	Analysis of a Flux Reversal Machine With Quasi-Halbach Magnets in Stator Slot Opening. IEEE Transactions on Industry Applications, 2019, 55, 1250-1260.	4.9	43
17	Torque Performance Analysis of Three-Phase Flux Reversal Machines. IEEE Transactions on Industry Applications, 2017, 53, 2110-2119.	4.9	40
18	A Novel HTS Modulated Coaxial Magnetic Gear With Eccentric Structure and Halbach Arrays. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	40

#	ARTICLE	IF	CITATIONS
19	Electronic coupling and spin-orbit charge transfer intersystem crossing (SOCT-ISC) in compact BDP-carbazole dyads with different mutual orientations of the electron donor and acceptor. <i>Journal of Chemical Physics</i> , 2020, 152, 114701.	3.0	40
20	Design Procedure of Flux Reversal Permanent Magnet Machines. <i>IEEE Transactions on Industry Applications</i> , 2017, 53, 4232-4241.	4.9	39
21	Complete Degradation of a Conjugated Polymer into Green Upcycling Products by Sunlight in Air. <i>Journal of the American Chemical Society</i> , 2021, 143, 10054-10058.	13.7	38
22	Analysis of a Novel Consequent-Pole Flux Switching Permanent Magnet Machine With Flux Bridges in Stator Core. <i>IEEE Transactions on Energy Conversion</i> , 2018, 33, 2153-2162.	5.2	35
23	Low-Cost High-Torque-Density Dual-Stator Consequent-Pole Permanent Magnet Vernier Machine. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-5.	2.1	26
24	A near-infrared fluorescent probe for monitoring leucine aminopeptidase in living cells. <i>Analyst</i> , 2019, 144, 463-467.	3.5	24
25	Performance Analysis of Interior Permanent Magnet Motor Using Overlapping Windings With Fractional Ratio of Slot to Pole Pair. <i>IEEE Transactions on Applied Superconductivity</i> , 2016, 26, 1-5.	1.7	23
26	A Novel Dual-Stator Vernier Permanent Magnet Machine. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-5.	2.1	23
27	Design of a Dual-Stator LTS Vernier Machine for Direct-Drive Wind Power Generation. <i>IEEE Transactions on Applied Superconductivity</i> , 2016, 26, 1-5.	1.7	22
28	Design and Analysis of an Interior Permanent Magnet Linear Vernier Machine. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-5.	2.1	21
29	Synthesis of a Flux Modulation Machine With Permanent Magnets on Both Stator and Rotor. <i>IEEE Transactions on Industry Applications</i> , 2021, 57, 294-305.	4.9	21
30	Multicationic AIEgens for unimolecular photodynamic theranostics and two-photon fluorescence bioimaging. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1623-1633.	5.9	20
31	Design of a novel dual flux modulation machine with consequent-pole spoke-array permanent magnets in both stator and rotor. <i>CES Transactions on Electrical Machines and Systems</i> , 2018, 2, 73-81.	3.5	19
32	Luminescent AIE Dots for Anticancer Photodynamic Therapy. <i>Frontiers in Chemistry</i> , 2021, 9, 672917.	3.6	19
33	Analysis of Thrust Performance of a Dual-Mover Linear Vernier Machine With Horizontal-Magnetized PM Arrays. <i>IEEE Transactions on Energy Conversion</i> , 2018, 33, 2143-2152.	5.2	16
34	Analysis of the Fractional Pole-Pair Linear PM Vernier Machine for Force Ripple Reduction. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 4748-4759.	7.9	16
35	Recent progress of nanotechnology-based theranostic systems in cancer treatments. <i>Cancer Biology and Medicine</i> , 2021, 18, 336-351.	3.0	16
36	Brushless dual-electrical-port, dual mechanical port machines based on the flux modulation principle. , 2016, , .		15

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37	A novel flux reversal PM Machine with Halbach array magnets in stator slot opening. , 2017, , .		15
38	Thickness-Dependent Enhancement of Electronic Mobility of MoS <sub>2</sub> Transistors via Surface Functionalization. Journal of Physical Chemistry C, 2020, 124, 16943-16950.	3.1	15
39	Review of off-line synchronous inductance measurement method for permanent magnet synchronous machines. , 2014, , .		14
40	Investigation of a Surface PM Machine With Segmented-Eccentric Magnet Poles. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	14
41	A Double-Stator Flux Switching PM Machine With Multi-PM MMF Harmonics. IEEE Transactions on Magnetics, 2019, 55, 1-6.	2.1	13
42	Platinum-AIEgen coordination complex for imaging-guided annihilation of cisplatin-resistant cancer cells. Chemical Communications, 2020, 56, 7785-7788.	4.1	13
43	Design of a linear vernier permanent magnet machine with high thrust force density and low thrust force ripple. , 2017, , .		12
44	HTS Vernier Machine for Direct-Drive Wind Power Generation. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	11
45	A Novel HTS Flux-Reversal Linear Permanent Magnet Machine With a Lower Number of Mover Teeth and Higher Thrust Density. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	11
46	Comparison of Electromagnetic Performance of 10-MW HTS Double-Stator Flux Modulation Wind Generators With Different Topologies. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-7.	1.7	11
47	Design of three-phase flux reversal machines with fractional-slot windings. , 2015, , .		10
48	A Novel Dual-Stator HTS Linear Vernier Generator for Direct Drive Marine Wave Energy Conversion. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-6.	1.7	9
49	Modeling and Analyzing a Novel Dual-Flux-Modulation Consequent-Pole Linear Permanent-Magnet Machine. IEEE Transactions on Magnetics, 2019, 55, 1-6.	2.1	8
50	A Novel Consequent-Pole Modular-Mover Linear Permanent Magnet Vernier Machine for Thrust Ripple and Cost Reduction. IEEE Transactions on Industry Applications, 2021, 57, 5841-5850.	4.9	8
51	Design procedure of flux reversal permanent magnet machines. , 2016, , .		7
52	Design and Analysis of a Linear Interior Permanent Magnet Vernier Machine. , 2018, , .		7
53	A Novel Hybrid Excitation Flux Reversal Machine for Electric Vehicle Propulsion. , 2016, , .		6
54	Improved hybrid method to calculate inductances of permanent magnet synchronous machines with skewed stators based on winding function theory. Chinese Journal of Electrical Engineering, 2016, 2, 52-61.	3.4	6

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55	A novel dual-stator vernier permanent magnet machine. , 2017, , .		6
56	Comparative Study on a Novel Consequent-Pole Modular Linear Vernier Machine with PMs on Both Mover and Stator Iron Cores. , 2019, , .		6
57	Torque ripple reduction for interior permanent magnet machines using overlapping windings with fractional slot per pole pair. , 2015, , .		5
58	Torque performance analysis of three-phase flux reversal machines for electric vehicle propulsion. , 2016, , .		5
59	Design and analysis of a novel flux reversal machine. , 2016, , .		5
60	Analysis of Novel Flux Reversal Permanent-Magnet Machine with Multi MMF Working Harmonics. , 2018, , .		5
61	A Novel Modular Transverse Flux Linear Permanent Magnet Vernier Machine with Halbach Arrays and Consequent Poles. , 2019, , .		5
62	Comparative Analysis of Double Flux Modulation Flux Reversal Machines with PMs on Both Stator and Rotor. , 2020, , .		5
63	A Novel Double Stator Flux Modulation Machine With Low-Temperature Superconducting Windings. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	4
64	Mitochondrion-anchoring AIEgen with Large Stokes Shift for Imaging-guided Photodynamic Therapy. Chemical Research in Chinese Universities, 2021, 37, 137-142.	2.6	4
65	Comparative Analysis of Double Flux Modulation Permanent Magnet Machines With Different Stator PM Arrangements. IEEE Transactions on Industry Applications, 2022, 58, 1941-1951.	4.9	4
66	Power transferring of magnetic-g geared permanent magnet machines. , 2016, , .		3
67	An improved AC standstill method for inductance measurement of interior permanent magnet synchronous motors. , 2013, , .		2
68	Power factor of three-phase flux reversal machines. , 2015, , .		2
69	A novel surface permanent magnet vernier machine with Halbach array permanent magnet in stator slot opening. , 2016, , .		2
70	Comparison of surface PM vernier motors with interior PM motors for traction application. , 2017, , .		2
71	Design and optimization of a novel linear flux-reversal permanent magnet machines with large mover slot opening. , 2017, , .		2
72	Study on the Slot/Pole Combination Influences to the Thrust Performances of the Linear Permanent Magnet Vernier Machines. , 2019, , .		2

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73	Synthesis of Novel Flux Modulation Machine with Permanent Magnets on Both Stator and Rotor. , 2019, , .		2
74	Design and Optimization of an HTS Claw-Pole Machine. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-6.	1.7	2
75	Vernier reluctance dual-stator inner-rotor machines with semi-closed slot. , 2015, , .		1
76	Force ripple minimization of a linear vernier permanent magnet machine for direct-drive servo applications. , 2016, , .		1
77	Design and comparison of novel flux reversal machines with large stator slot opening. , 2016, , .		1
78	An improved dq-axis coordinate system model for interior permanent magnet machines. , 2016, , .		1
79	A new predictive direct torque control for vernier permanent magnet synchronous motor based on duty ratio modulation. , 2016, , .		1
80	A novel linear permanent magnet vernier machine with consequent poles and Halbach permanent magnet array. , 2017, , .		1
81	Low Cost High Torque Density Dual-Stator Permanent Magnet Vernier Machine. , 2018, , .		1
82	Design and Analysis of a Novel Dual-Stator Cylindrical Linear Vernier Machine With LTS Field Windings. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-6.	1.7	1
83	Investigate of a Flux Switching Permanent Magnet Machine with Alternative Flux Bridges. , 2019, , .		1
84	Boosting the Photodynamic Degradation of Islet Amyloid Polypeptide Aggregates Via a "Bait-Hook-Devastate" Strategy. ACS Applied Materials & Interfaces, 2021, 13, 14911-14919.	8.0	1
85	Un-even winding turns in fractional-slot concentrated-winding PM machines. , 2013, , .		0
86	Influence of slot opening on electromagnetic performances in fractional-slot interior permanent-magnet machines with concentrated windings for EV application. , 2013, , .		0
87	Optimal design of a Halbach magnetized permanent magnet motor applied in electrical marine propulsion system. , 2014, , .		0
88	Design and optimization of an arc vernier permanent magnet synchronous motor used for large telescope. , 2015, , .		0
89	Design and optimization of an interior permanent magnet machine with asymmetric stator iron yoke applied in rail transportation. , 2017, , .		0
90	A Novel Doubly Salient Flux Modulation PM Machine with Halbach Magnets.. , 2018, , .		0

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91	A Novel Flux Modulation Linear Machine with Dual-Sided Modular Primary and Multiple Pole Pitches. , 2019, , .		0
92	Electromagnetic Performance of 10-MW HTS Double-Stator Flux Modulation Generators Considering Distributed/Concentrated Armature Winding. Journal of Physics: Conference Series, 2020, 1559, 012141.	0.4	0
93	Flux Reversal Machine Design. , 0, , .		0
94	A Permanent Magnet Synchronous Machine with Interior Halbach Arrays. , 2022, , .		0