YoungJu Choie

List of Publications by Year
in descending order

119 papers	523 citations	840776 11 h-index	839539 18 g-index
126 all docs	126 docs citations	126 times ranked	156 citing authors

#	Article	IF	Citations
1	Efficient identity-based authenticated key agreement protocol from pairings. Applied Mathematics and Computation, 2005, 162, 179-188.	2.2	67
2	On Robin's criterion for the Riemann hypothesis. Journal De Theorie Des Nombres De Bordeaux, 2007, 19, 357-372.	0.1	32
3	Rankin–Cohen Operators for Jacobi and Siegel Forms. Journal of Number Theory, 1998, 68, 160-177.	0.4	29
4	Jacobi forms and the heat operator. Mathematische Zeitschrift, 1997, 225, 95-101.	0.9	23
5	The first sign change of Fourier coefficients of cusp forms. American Journal of Mathematics, 2009, 131, 517-543.	1.1	22
6	LINEAR RELATIONS BETWEEN MODULAR FORM COEFFICIENTS AND NON-ORDINARY PRIMES. Bulletin of the London Mathematical Society, 2005, 37, 335-341.	0.8	21
7	Differential Operators on Jacobi Forms of Several Variables. Journal of Number Theory, 2000, 82, 140-163.	0.4	15
8	Jacobi forms over totally real fields and type II codes over Galois rings GR(2m,f). European Journal of Combinatorics, 2004, 25, 475-486.	0.8	14
9	The complete weight enumerator of Type II codes over Z/sub 2m/ and Jacobi forms. IEEE Transactions on Information Theory, 2001, 47, 396-399.	2.4	13
10	Jacobi forms and the heat operator II. Illinois Journal of Mathematics, 1998, 42, .	0.1	13
11	Construction of Jacobi forms. Mathematische Zeitschrift, 1995, 219, 71-76.	0.9	12
12	Codes over rings, complex lattices and Hermitian modular forms. European Journal of Combinatorics, 2005, 26, 145-165.	0.8	12
13	Codes over ?2m and Jacobi forms over the Quaternions. Applicable Algebra in Engineering, Communications and Computing, 2004, 15, 129.	0.5	10
14	Sturm type theorem for Siegel modular forms of genus 2 modulo p. Acta Arithmetica, 2013, 158, 129-139.	0.4	10
15	Codes over Z2m and Jacobi Forms of Genus n. Journal of Combinatorial Theory - Series A, 2001, 95, 335-348.	0.8	9
16	Multilinear Operators on Siegel Modular Forms of Genus 1 and 2. Journal of Mathematical Analysis and Applications, 1999, 232, 34-44.	1.0	8
17	Quasimodular forms and Poincaré series. Acta Arithmetica, 2009, 137, 155-169.	0.4	8
18	Congruences for Siegel modular forms. Annales De L'Institut Fourier, 2011, 61, 1455-1466.	0.6	8

#	Article	IF	Citations
19	Correspondence among Eisenstein series $E_{2,1}(\tau, z)$, $H_{3/2}(\tau)$ and $E_2(\tau)$. Manuscripta Mathematica, 1997, 93, 177-187.	0.6	7
20	Differential operators on Hilbert modular forms. Journal of Number Theory, 2007, 122, 25-36.	0.4	7
21	Siegel cusp forms and special values of dirichlet series of rankin type. Complex Variables and Elliptic Equations, 1996, 31, 97-103.	0.2	6
22	Isomorphism classes of elliptic and hyperelliptic curves over finite fields F(2g+1)n. Finite Fields and Their Applications, 2004, 10, 583-614.	1.0	6
23	Codes over F4, Jacobi forms and Hilbert–Siegel modular forms over Q(5). European Journal of Combinatorics, 2005, 26, 629-650.	0.8	6
24	Rational period functions and indefinite binary quadratic forms. I. Mathematische Annalen, 1990, 286, 697-707.	1.4	5
25	Periods of mixed cusp forms. Manuscripta Mathematica, 1991, 73, 163-177.	0.6	5
26	Half integral weight Jacobi forms and periods¶of modular forms. Manuscripta Mathematica, 2001, 104, 123-133.	0.6	5
27	An Analogy of Bol's Result on Jacobi Forms and Siegel Modular Forms. Journal of Mathematical Analysis and Applications, 2001, 257, 79-88.	1.0	5
28	Functional equations for double series of Euler type with coefficients. Advances in Mathematics, 2016, 292, 529-557.	1.1	5
29	Periods of modular forms on $Gamma_0(N)$ and products of Jacobi theta functions. Journal of the European Mathematical Society, 2019, 21, 1379-1410.	1.4	5
30	Zagier duality for harmonic weak Maass forms of integral weight. Proceedings of the American Mathematical Society, 2011, 139, 787-787.	0.8	5
31	Special values of Koecher–Maass series of Siegel cusp forms. Pacific Journal of Mathematics, 2001, 198, 373-383.	0.5	5
32	A short note on the full Jacobi group. Proceedings of the American Mathematical Society, 1995, 123, 2625-2625.	0.8	4
33	Mixed Hilbert modular forms and families of abelian varieties. Glasgow Mathematical Journal, 1997, 39, 131-140.	0.3	4
34	Pseudodifferential Operators of Several Variables and Baker Functions. Letters in Mathematical Physics, 2002, 60, 1-8.	1.1	4
35	On the Petersson Norm of Certain Siegel Modular Forms. Ramanujan Journal, 2003, 7, 45-48.	0.7	4
36	Complete joint weight enumerators and self-dual codes. IEEE Transactions on Information Theory, 2003, 49, 1275-1282.	2.4	4

#	Article	IF	Citations
37	Special values of elliptic functions at points of the divisors of Jacobi forms. Proceedings of the American Mathematical Society, 2003, 131, 3309-3317.	0.8	4
38	Supersingular hyperelliptic curves of genus 2 over finite fields. Applied Mathematics and Computation, 2005, 163, 565-576.	2.2	4
39	Fourier coefficients of Siegel–Eisenstein series of odd genus. Journal of Mathematical Analysis and Applications, 2011, 374, 1-7.	1.0	4
40	Eichler integrals, period relations and Jacobi forms. Mathematische Zeitschrift, 2012, 271, 639-661.	0.9	4
41	On harmonic weak Maass forms of half integral weight. Proceedings of the American Mathematical Society, 2013, 141, 2641-2652.	0.8	4
42	Quasimodular forms and Jacobi-like forms. Mathematische Zeitschrift, 2015, 280, 643-667.	0.9	4
43	Holomorphic Automorphic Forms and Cohomology. Memoirs of the American Mathematical Society, 2018, 253, 0-0.	0.9	4
44	Mixed Siegel Modular Forms and Special Valuesof Certain Dirichlet Series. Monatshefte Fur Mathematik, 2000, 131, 109-122.	0.9	3
45	Self-dual codes over $\mathbb{Z}_{4}$ and half-integral weight modular forms. Proceedings of the American Mathematical Society, 2002, 130, 3125-3131.	0.8	3
46	Ternary codes and Jacobi forms. Discrete Mathematics, 2004, 282, 81-87.	0.7	3
47	On the congruences of Jacobi forms. Mathematische Zeitschrift, 2007, 256, 287-294.	0.9	3
48	Vector-valued Jacobi-like forms. Monatshefte Fur Mathematik, 2007, 152, 321-336.	0.9	3
49	Broué–Enguehard maps and Atkin–Lehner involutions. European Journal of Combinatorics, 2008, 29, 24-34.	0.8	3
50	Iterated period integrals and multiple Hecke L-functions. Manuscripta Mathematica, 2013, 142, 245-255.	0.6	3
51	Multiple period integrals and cohomology. Algebra and Number Theory, 2016, 10, 645-664.	0.6	3
52	Jacobi Forms and Generalized RC-Algebras. Rocky Mountain Journal of Mathematics, 2001, 31, .	0.4	3
53	Mixed automorphic forms and differential equations. International Journal of Mathematics and Mathematical Sciences, 1990, 13, 661-668.	0.7	2
54	Hecke operators on rational period functions on the Hecke groups. Resultate Der Mathematik, 1994, 25, 40-49.	0.2	2

#	Article	IF	Citations
55	Modular Forms Associated to Theta Functions. Canadian Mathematical Bulletin, 2002, 45, 257-264.	0.5	2
56	Tau functions and residues. Journal of Mathematical Physics, 2003, 44, 5401-5409.	1.1	2
57	Values of L-functions at integers outside theÂcriticalÂstrip. Ramanujan Journal, 2007, 14, 339-350.	0.7	2
58	Rankinâ€"Cohen brackets on pseudodifferential operators. Journal of Mathematical Analysis and Applications, 2007, 326, 882-895.	1.0	2
59	QUASIMODULAR FORMS AND VECTOR BUNDLES. Bulletin of the Australian Mathematical Society, 2009, 80, 402-412.	0.5	2
60	p-Adic limit of the Fourier coefficients of weakly holomorphic modular forms of half integral weight. Israel Journal of Mathematics, 2010, 175, 61-83.	0.8	2
61	HEAT OPERATORS AND QUASIMODULAR FORMS. Bulletin of the Australian Mathematical Society, 2010, 81, 514-522.	0.5	2
62	A short remark on sign changes of Fourier coefficients of half-integral weight modular forms. Archiv Der Mathematik, 2013, 100, 333-336.	0.5	2
63	An Explicit Bound for the First Sign Change of the Fourier Coefficients of a Siegel Cusp Form. International Mathematics Research Notices, 2014, , .	1.0	2
64	On Hecke L-functions attached to half-integral weight modular forms. Journal of Number Theory, 2018, 189, 131-137.	0.4	2
65	Simultaneous nonvanishing of products of L-functions associated to elliptic cusp forms. Journal of Mathematical Analysis and Applications, 2020, 486, 123930.	1.0	2
66	Shimura lifting on weak Maass forms. Acta Arithmetica, 0, , 1-18.	0.4	2
67	Characteristic classes of Kuga fiber varieties of quaternion type. Monatshefte Fur Mathematik, 1996, 121, 255-264.	0.9	1
68	Mellin Transforms of Mixed Cusp Forms. Canadian Mathematical Bulletin, 1999, 42, 263-273.	0.5	1
69	Bundles of Pseudodifferential Operators and Modular Forms. Letters in Mathematical Physics, 1999, 50, 301-307.	1.1	1
70	Mixed jacobi-like forms. Complex Variables and Elliptic Equations, 2000, 42, 387-396.	0.2	1
71	Jacobi-like forms and power series bundles. Bulletin of the Australian Mathematical Society, 2002, 66, 301-311.	0.5	1
72	HILBERT MODULAR PSEUDODIFFERENTIAL OPERATORS OF MIXED WEIGHT. Proceedings of the Edinburgh Mathematical Society, 2003, 46, 269-277.	0.3	1

#	Article	IF	Citations
73	Cohomology of Complex Torus Bundles Associated to Cocycles. Canadian Journal of Mathematics, 2003, 55, 839-855.	0.6	1
74	Vector-Valued Modular Forms of Weight Two Associated With Jacobi-Like Forms. Canadian Mathematical Bulletin, 2006, 49, 428-437.	0.5	1
75	A remark on the Ikeda lift and local singular series polynomials. Proceedings of the American Mathematical Society, 2007, 136, 1559-1564.	0.8	1
76	Classification of the space spanned by theta series and applications. Proceedings of the American Mathematical Society, 2007, 135, 2309-2316.	0.8	1
77	Construction of Jacobi forms associated to indefinite quadratic forms. Ramanujan Journal, 2010, 21, 27-39.	0.7	1
78	The heat operator and mock Jacobi forms. Ramanujan Journal, 2010, 22, 209-219.	0.7	1
79	Notes on Rankin–Cohen brackets. Ramanujan Journal, 2011, 25, 141-147.	0.7	1
80	Dirichlet series of Rankin–Cohen brackets. Journal of Mathematical Analysis and Applications, 2011, 373, 464-474.	1.0	1
81	Mellin transforms attached to certain automorphic integrals. Journal of Number Theory, 2012, 132, 301-313.	0.4	1
82	Schubert Eisenstein Series. American Journal of Mathematics, 2014, 136, 1581-1608.	1.1	1
83	Parabolic cohomology and multiple Hecke L-values. Ramanujan Journal, 2016, 41, 543-561.	0.7	1
84	Symmetric tensor representations, quasimodular forms, and weak Jacobi forms. Advances in Mathematics, 2016, 287, 567-599.	1.1	1
85	Quasimodular forms and automorphic pseudodifferential operators of mixed weight. Ramanujan Journal, 2018, 46, 229-243.	0.7	1
86	Modular cocycles and cup product. Advances in Mathematics, 2019, 351, 296-342.	1.1	1
87	Periods of Hilbert modular forms, Kronecker series and cohomology. Advances in Mathematics, 2021, 381, 107617.	1.1	1
88	On the monotonicity of the quotient of certain abelian integrals. International Journal of Mathematics and Mathematical Sciences, 1993, 16, 41-48.	0.7	0
89	Radon transforms, laplacaians, and flows for directed graphs. Linear and Multilinear Algebra, 1998, 45, 219-233.	1.0	0
90	Hecke Operators on Linear Ordinary Differential Equations. Acta Applicandae Mathematicae, 1999, 59, 203-213.	1.0	0

#	Article	IF	Citations
91	Automorphic pseudodifferential operators, Poincaré series and Eisenstein series. Bulletin of the Australian Mathematical Society, 1999, 59, 45-52.	0.5	0
92	Poisson transforms and mixed automorphic forms on semisimple Lie groups. Bulletin of the Australian Mathematical Society, 2000, 61, 353-370.	0.5	0
93	Codes, lattices and modular forms. , 0, , .		0
94	Automorphic pseudodifferential operators and vector bundles. Complex Variables and Elliptic Equations, 2003, 48, 937-945.	0.2	0
95	Jacobi-like forms, differential equations, and Hecke operators. Complex Variables and Elliptic Equations, 2005, 50, 1095-1104.	0.2	0
96	Existence of Torus bundles associated to cocycles. Bulletin of the Australian Mathematical Society, 2006, 73, 345-351.	0.5	0
97	Correspondence among Eisenstein series of weight 2. Journal of Mathematical Analysis and Applications, 2008, 344, 322-339.	1.0	0
98	JACOBI-LIKE FORMS, PSEUDODIFFERENTIAL OPERATORS, AND GROUP COHOMOLOGY. Bulletin of the Australian Mathematical Society, 2008, 78, 55-71.	0.5	0
99	SIGN CHANGES OF FOURIER COEFFICIENTS OF ENTIRE MODULAR INTEGRALS. Glasgow Mathematical Journal, 2012, 54, 355-358.	0.3	0
100	QUASIMODULAR FORMS AND COHOMOLOGY. Bulletin of the Australian Mathematical Society, 2012, 86, 150-163.	0.5	0
101	Periods of Jacobi forms and the Hecke operator. Journal of Mathematical Analysis and Applications, 2013, 408, 345-354.	1.0	0
102	Modular polynomials and derivatives of quasimodular forms. Complex Variables and Elliptic Equations, 2013, 58, 135-148.	0.8	0
103	Theta series associated to symmetric matrices. Complex Variables and Elliptic Equations, 2016, 61, 15-22.	0.8	0
104	Transcendence of zeros of Jacobi forms. Ramanujan Journal, 2016, 41, 319-322.	0.7	0
105	Differential operators on modular forms associated to quasimodular forms. Ramanujan Journal, 2016, 39, 133-147.	0.7	0
106	Hilbert quasimodular forms and vector bundles. Beitrage Zur Algebra Und Geometrie, 2017, 58, 13-23.	0.5	0
107	Kernels for products of Hilbert L-functions. Mathematische Zeitschrift, 2020, 295, 87-99.	0.9	0
108	Formal deformations of the algebra of Jacobi forms and Rankin–Cohen brackets. Comptes Rendus Mathematique, 2021, 359, 505-521.	0.3	0

#	Article	IF	Citations
109	Heat operators on modular and quasimodular polynomials. Functiones Et Approximatio, Commentarii Mathematici, 2021, 65, .	0.3	0
110	A Combinatorial Characterization of Jacobi Forms. Rocky Mountain Journal of Mathematics, 2009, 39, .	0.4	0
111	Differential Operators on Modular Forms. Springer Monographs in Mathematics, 2019, , 207-222.	0.2	0
112	Group Cohomology. Springer Monographs in Mathematics, 2019, , 107-120.	0.2	0
113	Jacobi-like Forms and Pseudodifferential Operators. Springer Monographs in Mathematics, 2019, , 31-52.	0.2	0
114	Heat Operators. Springer Monographs in Mathematics, 2019, , 91-106.	0.2	0
115	Formal Power Series and Pseudodifferential Operators. Springer Monographs in Mathematics, 2019, , 7-30.	0.2	0
116	Liftings of Quasimodular Forms. Springer Monographs in Mathematics, 2019, , 165-184.	0.2	0
117	Half-integral Weight Forms. Springer Monographs in Mathematics, 2019, , 223-234.	0.2	0
118	Hecke Operators. Springer Monographs in Mathematics, 2019, , 53-76.	0.2	0
119	Applications of Quasimodular Forms. Springer Monographs in Mathematics, 2019, , 251-290.	0.2	0