

# Pham Huu Tiep

## List of Publications by Year in descending order

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106  
papers

1,544  
citations

331670

21  
h-index

377865

34  
g-index

106  
all docs

106  
docs citations

106  
times ranked

228  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decomposition numbers and global properties. Journal of Algebra, 2022, 607, 607-617.	0.7	0
2	Hall-Higman type theorems for exceptional groups of Lie type, I. Journal of Algebra, 2022, 607, 755-794.	0.7	3
3	Exponential sums and total Weil representations of finite symplectic and unitary groups. Proceedings of the London Mathematical Society, 2021, 122, 745-807.	1.3	4
4	On the diameters of McKay graphs for finite simple groups. Israel Journal of Mathematics, 2021, 241, 449-464.	0.8	6
5	On irreducible products of characters. Journal of Algebra, 2021, 573, 38-55.	0.7	0
6	Monodromy groups of Kloosterman and hypergeometric sheaves. Geometric and Functional Analysis, 2021, 31, 562-662.	1.8	1
7	The fields of values of characters of degree not divisible by $p$ . Forum of Mathematics, Pi, 2021, 9, .	2.0	8
8	Hypergeometric sheaves and finite symplectic and unitary groups. Cambridge Journal of Mathematics, 2021, 9, 577-691.	1.5	2
9	Sectional rank and cohomology. Journal of Algebra, 2020, 558, 434-452.	0.7	3
10	Irreducible induction and nilpotent subgroups in finite groups. Journal of Algebra, 2020, 561, 200-214.	0.7	0
11	Moments of Weil representations of finite special unitary groups. Journal of Algebra, 2020, 561, 237-255.	0.7	1
12	Decomposition numbers and local properties. Journal of Algebra, 2020, 558, 620-639.	0.7	1
13	Rigid local systems with monodromy group the Conway group $Co_3$ . Journal of Number Theory, 2020, 206, 1-23.	0.4	5
14	Tensor product Markov chains. Journal of Algebra, 2020, 561, 17-83.	0.7	6
15	Rigid local systems and finite general linear groups. Mathematische Zeitschrift, 2020, 298, 1293.	0.9	2
16	Character ratios, representation varieties and random generation of finite groups of Lie type. Advances in Mathematics, 2020, 374, 107386.	1.1	0
17	Irreducible restrictions of representations of symmetric and alternating groups in small characteristics. Advances in Mathematics, 2020, 369, 107184.	1.1	1
18	The average character degree and an improvement of the ItÅ-Michler theorem. Journal of Algebra, 2020, 550, 86-107.	0.7	6

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19	CHARACTER LEVELS AND CHARACTER BOUNDS. Forum of Mathematics, Pi, 2020, 8, .	2.0	6
20	Irreducible restrictions of representations of alternating groups in small characteristics: Reduction theorems. Representation Theory, 2020, 24, 115-150.	0.5	1
21	Lusztig induction, unipotent supports, and character bounds. Transactions of the American Mathematical Society, 2020, 373, 8637-8676.	0.9	4
22	Rigid local systems with monodromy group the Conway group $Co_2$ . International Journal of Number Theory, 2020, 16, 341-360.	0.5	4
23	Unitary $S_n$ -groups. Journal of the Mathematical Society of Japan, 2020, 72, .	0.4	10
24	Fields of values of odd-degree irreducible characters. Advances in Mathematics, 2019, 354, 106757.	1.1	9
25	Rigid local systems and finite symplectic groups. Finite Fields and Their Applications, 2019, 59, 134-174.	1.0	6
26	Character Ratios for Exceptional Groups of Lie Type. International Mathematics Research Notices, 2019, , .	1.0	0
27	Local systems and finite unitary and symplectic groups. Advances in Mathematics, 2019, 358, 106859.	1.1	4
28	Irreducible restrictions of representations of symmetric groups in small characteristics: reduction theorems. Mathematische Zeitschrift, 2019, 293, 677-723.	0.9	6
29	Sylow subgroups, exponents, and character values. Transactions of the American Mathematical Society, 2019, 372, 4263-4291.	0.9	12
30	Rigid local systems and alternating groups. Tunisian Journal of Mathematics, 2019, 1, 295-320.	0.6	5
31	Order of products of elements in finite groups. Journal of the London Mathematical Society, 2019, 99, 535-552.	1.0	3
32	On Real and Rational Characters in Blocks. International Mathematics Research Notices, 2019, 2019, 1955-1973.	1.0	1
33	A rigid local system with monodromy group the big Conway group $Co_1$ and two others with monodromy group the Suzuki group $Suz$ . Transactions of the American Mathematical Society, 2019, 373, 2007-2044.	0.9	4
34	REPRESENTATIONS OF FINITE GROUPS AND APPLICATIONS. , 2019, , .		0
35	MACHINE-ASSISTED PROOFS. , 2019, , .		1
36	Surjective word maps and Burnside's $p^a q^b$ theorem. Inventiones Mathematicae, 2018, 213, 589-695.	2.5	17

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37	On 2-Brauer characters of odd degree. <i>Mathematische Zeitschrift</i> , 2018, 290, 469-483.	0.9	1
38	Finite groups with many values in a column of the character table. <i>Journal of Algebra and Its Applications</i> , 2018, 17, 1850196.	0.4	1
39	Brauer correspondent blocks with one simple module. <i>Transactions of the American Mathematical Society</i> , 2018, 371, 903-922.	0.9	5
40	RIGID LOCAL SYSTEMS ON WITH FINITE MONODROMY. <i>Mathematika</i> , 2018, 64, 785-846.	0.5	12
41	Character bounds for finite groups of Lie type. <i>Acta Mathematica</i> , 2018, 221, 1-57.	3.9	10
42	Coprime actions and correspondences of Brauer characters. <i>Proceedings of the London Mathematical Society</i> , 2017, 114, 589-613.	1.3	6
43	Irreducible characters of even degree and normal Sylow 2-subgroups. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2017, 162, 353-365.	0.4	7
44	Some conjectures on Frobenius' character sum. <i>Bulletin of the London Mathematical Society</i> , 2017, 49, 895-902.	0.8	2
45	Representations of the alternating group which are irreducible over subgroups, II. <i>American Journal of Mathematics</i> , 2016, 138, 1383-1423.	1.1	5
46	Restriction of Odd Degree Characters and Natural Correspondences. <i>International Mathematics Research Notices</i> , 2016, , rnw174.	1.0	5
47	THE $\chi$ -INVARIANT AND THOMPSON'S CONJECTURE. <i>Forum of Mathematics, Pi</i> , 2016, 4, .	2.0	1
48	Real groups and Sylow 2-subgroups. <i>Advances in Mathematics</i> , 2016, 299, 331-360.	1.1	11
49	Irreducible representations of odd degree. <i>Mathematische Annalen</i> , 2016, 365, 1155-1185.	1.4	16
50	Real ordinary characters and real Brauer characters. <i>Transactions of the American Mathematical Society</i> , 2015, 367, 1273-1312.	0.9	12
51	Weil representations of finite general linear groups and finite special linear groups. <i>Pacific Journal of Mathematics</i> , 2015, 279, 481-498.	0.5	7
52	Lifting in Frattini covers and a characterization of finite solvable groups. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2015, 2015, 49-72.	0.9	14
53	A REFINED WARING PROBLEM FOR FINITE SIMPLE GROUPS. <i>Forum of Mathematics, Sigma</i> , 2015, 3, .	0.7	1
54	Subgroup Structure and Representations of Finite and Algebraic Groups. <i>Vietnam Journal of Mathematics</i> , 2015, 43, 501-513.	0.8	0

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55	$p$ -parts of character degrees. Journal of the London Mathematical Society, 2015, 92, 483-497.	1.0	14
56	Effective results on the Waring problem for finite simple groups. American Journal of Mathematics, 2015, 137, 1401-1430.	1.1	11
57	Finite groups with two conjugacy classes of $p$ -elements and related questions for $p$ -blocks. Bulletin of the London Mathematical Society, 2014, 46, 305-314.	0.8	11
58	Brauer characters and rationality. Mathematische Zeitschrift, 2014, 276, 1101-1112.	0.9	4
59	Representation of finite groups: conjectures, reductions, and applications. Acta Mathematica Vietnamica, 2014, 39, 87-109.	0.4	2
60	Finite groups whose same degree characters are Galois conjugate. Israel Journal of Mathematics, 2013, 198, 283-331.	0.8	6
61	Products of conjugacy classes in finite and algebraic simple groups. Advances in Mathematics, 2013, 234, 618-652.	1.1	27
62	Waring Problem for Finite Quasisimple Groups. International Mathematics Research Notices, 2013, 2013, 2323-2348.	1.0	15
63	Conjugacy action, induced representations and the Steinberg square for simple groups of Lie type. Proceedings of the London Mathematical Society, 2013, 106, 908-930.	1.3	22
64	The largest irreducible representations of simple groups. Proceedings of the London Mathematical Society, 2013, 106, 65-96.	1.3	18
65	Zeros of real irreducible characters of finite groups. Algebra and Number Theory, 2013, 7, 567-593.	0.6	12
66	Products of squares in finite simple groups. Proceedings of the American Mathematical Society, 2012, 140, 21-33.	0.8	19
67	A problem of Kollár and Larsen on finite linear groups and crepant resolutions. Journal of the European Mathematical Society, 2012, 14, 605-657.	1.4	7
68	Degrees and $p$ -rational characters. Bulletin of the London Mathematical Society, 2012, 44, 1246-1250.	0.8	6
69	Brauer's height zero conjecture for the 2-blocks of maximal defect. Journal Fur Die Reine Und Angewandte Mathematik, 2012, 2012, .	0.9	13
70	Representation growth in positive characteristic and conjugacy classes of maximal subgroups. Duke Mathematical Journal, 2012, 161, .	1.5	8
71	Real class sizes and real character degrees. Mathematical Proceedings of the Cambridge Philosophical Society, 2011, 150, 47-71.	0.4	10
72	First cohomology groups of Chevalley groups in cross characteristic. Annals of Mathematics, 2011, 174, 543-559.	4.2	14

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73	A reduction theorem for the Alperin weight conjecture. <i>Inventiones Mathematicae</i> , 2011, 184, 529-565.	2.5	39
74	The Waring problem for finite simple groups. <i>Annals of Mathematics</i> , 2011, 174, 1885-1950.	4.2	56
75	Degrees of rational characters of finite groups. <i>Advances in Mathematics</i> , 2010, 224, 1121-1142.	1.1	23
76	On $p$ -Brauer characters of $p^2$ -degree and self-normalizing Sylow $p$ -subgroups. <i>Journal of Group Theory</i> , 2010, 13, .	0.2	9
77	Brauer Characters of Prime Power Degrees and Conjugacy Classes of Prime Power Lengths. <i>Algebra Colloquium</i> , 2010, 17, 541-548.	0.2	4
78	The Ore conjecture. <i>Journal of the European Mathematical Society</i> , 2010, 12, 939-1008.	1.4	98
79	Representations of the general linear groups which are irreducible over subgroups. <i>American Journal of Mathematics</i> , 2010, 132, 425-473.	1.1	16
80	Real characters and degrees. <i>Israel Journal of Mathematics</i> , 2009, 171, 157-173.	0.8	24
81	On the restriction of cross characteristic representations of $2F_4(q)$ to proper subgroups. <i>Archiv Der Mathematik</i> , 2009, 93, 415-423.	0.5	4
82	Representations of finite special linear groups in non-defining characteristic. <i>Advances in Mathematics</i> , 2009, 220, 478-504.	1.1	39
83	Rational irreducible characters and rational conjugacy classes in finite groups. <i>Transactions of the American Mathematical Society</i> , 2008, 360, 2443-2465.	0.9	53
84	Primes dividing the degrees of the real characters. <i>Mathematische Zeitschrift</i> , 2008, 259, 755-774.	0.9	43
85	Symmetric powers and a problem of Koll�ar and Larsen. <i>Inventiones Mathematicae</i> , 2008, 174, 505-554.	2.5	23
86	Hall-Higman-type theorems for semisimple elements of finite classical groups. <i>Proceedings of the London Mathematical Society</i> , 2008, 97, 623-668.	1.3	8
87	$q$ -rational characters and self-normalizing Sylow $q$ -subgroups. <i>Representation Theory</i> , 2007, 11, 84-94.	0.5	26
88	Finite groups admitting grassmannian 4-designs. <i>Journal of Algebra</i> , 2006, 306, 227-243.	0.7	18
89	Rational Brauer characters. <i>Mathematische Annalen</i> , 2006, 335, 675-686.	1.4	6
90	The non-coprime $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x$	0.7	25

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91	Rank 3 permutation modules of the finite classical groups. Journal of Algebra, 2005, 291, 551-606.	0.7	22
92	Real conjugacy classes in algebraic groups and finite groups of Lie type. Journal of Group Theory, 2005, 8, .	0.2	57
93	Cross characteristic representations of even characteristic symplectic groups. Transactions of the American Mathematical Society, 2004, 356, 4969-5023.	0.9	47
94	Unipotent elements of finite groups of Lie type and realization fields of their complex representations. Journal of Algebra, 2004, 271, 327-390.	0.7	40
95	LOW DIMENSIONAL REPRESENTATIONS OF FINITE QUASISIMPLE GROUPS. , 2003, , 277-294.		9
96	On restrictions of modular spin representations of symmetric and alternating groups. Transactions of the American Mathematical Society, 2003, 356, 1971-1999.	0.9	29
97	Mod $p$ Reducibility of Unramified Representations of Finite Groups of Lie Type. Proceedings of the London Mathematical Society, 2002, 84, 439-472.	1.3	16
98	Cross characteristic representations of symplectic and unitary groups. Journal of Algebra, 2002, 257, 291-347.	0.7	52
99	Irreducibility of tensor squares, symmetric squares and alternating squares. Pacific Journal of Mathematics, 2002, 202, 379-427.	0.5	25
100	Symmetric Squares, Spherical Designs, and Lattice Minima. Journal of Algebra, 2001, 240, 185-208.	0.7	15
101	Low-Dimensional Representations of Special Linear Groups in Cross Characteristics. Proceedings of the London Mathematical Society, 1999, 78, 116-138.	1.3	47
102	Globally irreducible representations of $SL_3(q)$ and $SU_3(q)$ . Israel Journal of Mathematics, 1999, 109, 225-251.	0.8	2
103	Some Characterizations of the Weil Representations of the Symplectic and Unitary Groups. Journal of Algebra, 1997, 192, 130-165.	0.7	75
104	Minimal characters of the finite classical groups. Communications in Algebra, 1996, 24, 2093-2167.	0.6	114
105	Odd-degree Rational Irreducible Characters. Acta Mathematica Vietnamica, 0, , 1.	0.4	2
106	ON ALPERIN'S LOWER BOUND FOR THE NUMBER OF BRAUER CHARACTERS. Transformation Groups, 0, , 1.	0.7	1