

Ranking method. Data current as of June 25, 2026. The ranking combines citation count, citation rate C/y , journal reputation (2024 MCQ), and a hand-assigned novelty score reflecting novelty at the time of publication. Unknown MCQ values, including preprints and unpublished papers, are set to 0.50. The displayed score is

$$25\sqrt{\frac{\text{Cites}}{\max(\text{Cites})}} + 25\sqrt{\frac{C/y}{\max(C/y)}} + 25\sqrt{\frac{\text{MCQ}}{\max(\text{MCQ})}} + \text{Nov}.$$

The square roots damp very large citation counts while keeping citations, citation rate, venue strength, and novelty on comparable scales.

R	Paper	Cites	C/y	MCQ	Nov.	Score
1	Functoriality of colored link homologies	74	7.4	1.89	10	73.8
2	Monoidal categories, representation gap and cryptography	26	5.2	1.64	24	73.7
3	Webs and q-Howe dualities in types BCD	54	6.0	1.39	15	70.7
4	SL ₂ tilting modules in the mixed case	50	8.3	1.55	10	69.6
5	Simple transitive 2-representations of Soergel bimodules of finite Coxeter types	41	5.1	1.89	15	69.2
6	Growth rates of indecomposable summands in tensor powers	33	8.2	0.62	19	69.1
7	Cellular structures using U _q -tilting modules	92	7.7	0.71	9	68.9
8	Super q-Howe duality and web categories	77	6.4	0.83	9	65.6
9	Symmetric webs, Jones–Wenzl recursions and q-Howe duality	51	4.2	1.22	12	62.8
10	Simple transitive 2-representations via (co)algebra 1-morphisms	45	4.1	1.20	13	62.2
11	The sl ₃ web algebra	54	3.6	0.96	12	60.3
12	Sandwich cellularity and a version of cell theory	31	6.2	0.44	15	59.7
13	Diagram categories for U _q -tilting modules at roots of unity	45	3.5	0.62	14	57.8
14	Cellularity of KLR and weighted KLRW algebras via crystals	7	1.8	3.70	14	57.4
15	Cellularity and subdivision of KLR and weighted KLRW algebras	21	3.5	1.72	12	57.2
16	Two-color Soergel calculus and simple transitive 2-representations	41	3.7	0.86	10	55.5
17	Quivers for SL ₂ tilting modules	32	5.3	0.78	9	55.2
18	Asymptotics in finite monoidal categories	13	3.2	0.84	18	54.9
19	Handlebody diagram algebras	20	3.3	1.31	12	54.3
20	Finitary birepresentations of finitary bicategories	30	4.3	0.83	8	52.0
21	Semisimplicity of Hecke and (walled) Brauer algebras	44	3.7	0.60	8	51.9
22	Fractal behavior of tensor powers in prime characteristic	9	3.0	0.51	19	51.1
23	Trihedral Soergel bimodules	19	2.1	0.57	17	50.8
24	Growth problems in diagram categories	6	3.0	1.00	16	50.4
25	gln-webs, categorification and Khovanov–Rozansky homologies	23	3.3	0.36	14	50.0
26	Cellularity for weighted KLRW algebras of types B, A(2), D(2)	16	3.2	1.29	8	48.7
27	Relative cellular algebras	24	2.4	0.62	12	48.4
28	Big data approach to Kazhdan–Lusztig polynomials	3	1.0	0.50	23	45.4
29	Generic gl ₂ -foams, web and arc algebras	25	2.3	0.50	10	45.3
30	Annular webs and Levi subalgebras	9	1.8	0.90	13	44.8
31	Virtual Khovanov homology using cobordisms	33	2.5	0.36	8	44.6
32	sl ₃ -web bases, intermediate crystal bases and categorification	20	1.5	0.81	10	44.1
33	The Blanchet–Khovanov algebras	26	2.2	0.51	8	43.3
34	HOMFLYPT homology for links in handlebodies via type A Soergel bimodules	13	1.6	1.25	8	43.0
35	Orthogonal webs and semisimplification	6	2.0	1.04	10	41.9
36	On rank one 2-representations of web categories	7	1.8	1.11	9	41.0
37	Algebraic properties of zigzag algebras	19	2.1	0.51	7	40.2
38	Big data comparison of quantum invariants	1	0.5	0.50	22	39.9
39	On knot detection via picture recognition	1	0.5	0.50	22	39.9
40	On detection probabilities of link invariants	1	0.5	0.50	20	37.9
41	Singular TQFTs, foams and type D arc algebras	9	0.8	0.81	10	37.3
42	Verma Howe duality and LKB representations	8	1.6	0.57	9	37.1
43	Minimal presentations of gln-web categories	9	1.5	0.36	9	35.2
44	Asymptotics in infinite monoidal categories	0	0.0	1.73	18	35.1
45	On a symplectic Howe duality	3	0.8	0.96	10	34.7
46	Representation gaps of rigid planar diagram monoids	1	0.5	0.50	16	33.9

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R	Paper	Cites	C/y	MCQ	Nov.	Score
47	Equivariant neural networks and piecewise linear representation theory	0	0.0	0.51	24	33.3
48	RL unknotter, hard unknots and unknotting number	0	0.0	0.50	24	33.2
49	The center of SL_2 tilting modules	7	1.0	0.51	7	31.8
50	Growth problems for representations of finite monoids	1	0.5	0.29	16	31.7
51	Idempotents, traces, and dimensions in Hecke categories	2	1.0	0.50	10	31.5
52	Quantum topology without topology	2	0.3	0.50	13	30.9
53	A formula to evaluate type A webs and link polynomials	2	0.4	0.72	10	30.2
54	Hecke and asymptotic categories for complex reflection groups	0	0.0	0.59	16	26.0
55	Growth problems of quantum groups	0	0.0	0.50	16	25.2
56	Diagrammatics for dicyclic groups	1	0.3	0.50	8	24.8
57	Tensor powers of representations of (diagram) monoids	0	0.0	0.50	14	23.2
58	Mobius strip diagram algebras	0	0.0	0.50	12	21.2
59	Affine diagram categories, algebras and monoids	0	0.0	0.50	11	20.2
60	Generalized diagram categories and monoids, and their representations	0	0.0	0.50	11	20.2
61	Presentations for categories of crystals	0	0.0	0.50	10	19.2