Saieed Akbari

List of Publications by Year
in descending order

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163	2,176	279798	289244
papers	citations	23 h-index	40 g-index

164	164	164	637
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Non-commuting graph of a group. Journal of Algebra, 2006, 298, 468-492.	0.7	174
2	On the zero-divisor graph of a commutative ring. Journal of Algebra, 2004, 274, 847-855.	0.7	139
3	When a zero-divisor graph is planar or a complete r-partite graph. Journal of Algebra, 2003, 270, 169-180.	0.7	130
4	The total graph and regular graph of a commutative ring. Journal of Pure and Applied Algebra, 2009, 213, 2224-2228.	0.6	94
5	Zero-divisor graphs of non-commutative rings. Journal of Algebra, 2006, 296, 462-479.	0.7	79
6	r-Strong edge colorings of graphs. Discrete Mathematics, 2006, 306, 3005-3010.	0.7	72
7	On zero-divisor graphs of finite rings. Journal of Algebra, 2007, 314, 168-184.	0.7	65
8	On the diameters of commuting graphs. Linear Algebra and Its Applications, 2006, 418, 161-176.	0.9	59
9	Characterization of graphs using domination polynomials. European Journal of Combinatorics, 2010, 31, 1714-1724.	0.8	52
10	On commuting graphs of semisimple rings. Linear Algebra and Its Applications, 2004, 390, 345-355.	0.9	49
11	On the coloring of the annihilating-ideal graph of a commutative ring. Discrete Mathematics, 2012, 312, 2620-2626.	0.7	48
12	On the Structure of the Power Graph and the Enhanced Power Graph of a Group. Electronic Journal of Combinatorics, 2017, 24, .	0.4	46
13	On the list dynamic coloring of graphs. Discrete Applied Mathematics, 2009, 157, 3005-3007.	0.9	45
14	Maximal subgroups of GLn(D). Journal of Algebra, 2003, 259, 201-225.	0.7	37
15	Edge addition, singular values, and energy of graphs and matrices. Linear Algebra and Its Applications, 2009, 430, 2192-2199.	0.9	33
16	A Class of Errorless Codes for Overloaded Synchronous Wireless and Optical CDMA Systems. IEEE Transactions on Information Theory, 2009, 55, 2705-2715.	2.4	31
17	The Classification of the Annihilating-Ideal Graphs of Commutative Rings. Algebra Colloquium, 2014, 21, 249-256.	0.2	31
18	Commuting graphs of some subsets in simple rings. Linear Algebra and Its Applications, 2006, 416, 1038-1047.	0.9	30

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19	Commuting Graphs of Matrix Algebras. Communications in Algebra, 2008, 36, 4020-4031.	0.6	29
20	Maximal Subgroups of GL1(D). Journal of Algebra, 1999, 217, 422-433.	0.7	28
21	Some relations between rank, chromatic number and energy of graphs. Discrete Mathematics, 2009, 309, 601-605.	0.7	28
22	Multicolored trees in complete graphs. Journal of Graph Theory, 2007, 54, 221-232.	0.9	27
23	On unimodular graphs. Linear Algebra and Its Applications, 2007, 421, 3-15.	0.9	27
24	INTERSECTION GRAPH OF SUBMODULES OF A MODULE. Journal of Algebra and Its Applications, 2012, 11, 1250019.	0.4	26
25	On zero-sum <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mn>6</mml:mn></mml:mrow></mml:math>-flows of graphs. Linear Algebra and Its Applications, 2009, 430, 3047-3052.	0.9	24
26	SOME RESULTS ON THE INTERSECTION GRAPHS OF IDEALS OF RINGS. Journal of Algebra and Its Applications, 2013, 12, 1250200.	0.4	24
27	On the difference between chromatic number and dynamic chromatic number of graphs. Discrete Mathematics, 2012, 312, 2579-2583.	0.7	23
28	Zero-Sum Flows in Regular Graphs. Graphs and Combinatorics, 2010, 26, 603-615.	0.4	21
29	On the Lucky Choice Number of Graphs. Graphs and Combinatorics, 2013, 29, 157-163.	0.4	21
30	The Inclusion Ideal Graph of Rings. Communications in Algebra, 2015, 43, 2457-2465.	0.6	21
31	On Sum of Powers of the Laplacian and Signless Laplacian Eigenvalues of Graphs. Electronic Journal of Combinatorics, 2010, 17, .	0.4	21
32	The clique numbers of regular graphs of matrix algebras are finite. Linear Algebra and Its Applications, 2009, 431, 1715-1718.	0.9	20
33	Minimal prime ideals and cycles in annihilating-ideal graphs. Rocky Mountain Journal of Mathematics, 2013, 43, .	0.4	19
34	A Note on Comaximal Graph of Non-commutative Rings. Algebras and Representation Theory, 2013, 16, 303-307.	0.7	17
35	Chromatic number and clique number of subgraphs of regular graph of matrix algebras. Linear Algebra and Its Applications, 2012, 436, 2419-2424.	0.9	15
36	On the edge cover polynomial of a graph. European Journal of Combinatorics, 2013, 34, 297-321.	0.8	15

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37	The intersection graph of a group. Journal of Algebra and Its Applications, 2015, 14, 1550065.	0.4	14
38	Signed graphs cospectral with the path. Linear Algebra and Its Applications, 2018, 553, 104-116.	0.9	14
39	Spectral characterizations of signed cycles. Linear Algebra and Its Applications, 2018, 553, 307-327.	0.9	14
40	Colorful Paths in Vertex Coloring of Graphs. Electronic Journal of Combinatorics, 2011, 18, .	0.4	14
41	Transversals and multicolored matchings. Journal of Combinatorial Designs, 2004, 12, 325-332.	0.6	13
42	The Co-annihilating-ideal Graphs of Commutative Rings. Canadian Mathematical Bulletin, 2017, 60, 3-11.	0.5	13
43	Normal subgroups of $GL_n(D)$ are not finitely generated. Proceedings of the American Mathematical Society, 1999, 128, 1627-1632.	0.8	12
44	{â^'1,0,1}-Basis for the null space of a forest. Linear Algebra and Its Applications, 2006, 414, 506-511.	0.9	12
45	Choice number and energy of graphs. Linear Algebra and Its Applications, 2008, 429, 2687-2690.	0.9	12
46	Commutativity of the adjacency matrices of graphs. Discrete Mathematics, 2009, 309, 595-600.	0.7	12
47	A relation between the Laplacian and signless Laplacian eigenvalues of a graph. Journal of Algebraic Combinatorics, 2010, 32, 459-464.	0.8	12
48	Some Properties of a Cayley Graph of a Commutative Ring. Communications in Algebra, 2014, 42, 1582-1593.	0.6	12
49	On the complement of the intersection graph of submodules of a module. Journal of Algebra and Its Applications, 2015, 14, 1550116.	0.4	12
50	On Additive Commutator Groups in Division Rings. Resultate Der Mathematik, 1998, 33, 9-21.	0.2	11
51	On the existence of normal maximal subgroups in division rings. Journal of Pure and Applied Algebra, 2002, 171, 123-131.	0.6	11
52	A Note on Zero-Sum 5-Flows in Regular Graphs. Electronic Journal of Combinatorics, 2012, 19, .	0.4	11
53	On linear transformations preserving at least one eigenvalue. Proceedings of the American Mathematical Society, 2003, 132, 1621-1625.	0.8	10
54	Some criteria for a graph to be Class 1. Discrete Mathematics, 2012, 312, 2593-2598.	0.7	10

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55	Commutative Rings Whose Cozero-Divisor Graphs are Unicyclic or of Bounded Degree. Communications in Algebra, 2014, 42, 1594-1605.	0.6	10
56	THE REGULAR GRAPH OF A NONCOMMUTATIVE RING. Bulletin of the Australian Mathematical Society, 2014, 89, 132-140.	0.5	10
57	On the Unit Graph of a Non-commutative Ring. Algebra Colloquium, 2015, 22, 817-822.	0.2	10
58	On the largest eigenvalue of signed unicyclic graphs. Linear Algebra and Its Applications, 2019, 581, 145-162.	0.9	10
59	SOME RESULTS ON COZERO-DIVISOR GRAPH OF A COMMUTATIVE RING. Journal of Algebra and Its Applications, 2014, 13, 1350113.	0.4	9
60	On the signed edge domination number of graphs. Discrete Mathematics, 2009, 309, 587-594.	0.7	8
61	Some results on the intersection graph of ideals of matrix algebras. Linear and Multilinear Algebra, 2014, 62, 195-206.	1.0	8
62	Proof of a conjecture on the Seidel energy of graphs. European Journal of Combinatorics, 2020, 86, 103078.	0.8	8
63	Signed complete graphs with maximum index. Discussiones Mathematicae - Graph Theory, 2020, 40, 393.	0.3	8
64	Commuting decompositions of complete graphs. Journal of Combinatorial Designs, 2007, 15, 133-142.	0.6	7
65	A Note on the Roman Bondage Number of Planar Graphs. Graphs and Combinatorics, 2013, 29, 327-331.	0.4	7
66	ON THE IDEMPOTENT GRAPH OF A RING. Journal of Algebra and Its Applications, 2013, 12, 1350003.	0.4	7
67	Upper bounds on the number of perfect matchings and directed 2-factors in graphs with given number of vertices and edges. European Journal of Combinatorics, 2015, 45, 132-144.	0.8	7
68	Nordhausâ€“Gaddum and other bounds for the chromatic edge-stability number. European Journal of Combinatorics, 2020, 84, 103042.	0.8	7
69	On Harmonious Colouring of Trees. Electronic Journal of Combinatorics, 2012, 19, .	0.4	7
70	Kr-Free Uniquely Vertex Colorable Graphs with Minimum Possible Edges. Journal of Combinatorial Theory Series B, 2001, 82, 316-318.	1.0	6
71	The kernels of the incidence matrices of graphs revisited. Linear Algebra and Its Applications, 2006, 414, 617-625.	0.9	6
72	Zero-sum flows in designs. Journal of Combinatorial Designs, 2011, 19, 355-364.	0.6	6

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73	Commutativity Pattern of Finite Non-Abelianp-Groups Determine Their Orders. Communications in Algebra, 2013, 41, 451-461.	0.6	6
74	Laplacian spectral characterization of two families of trees. Linear and Multilinear Algebra, 2014, 62, 965-977.	1.0	6
75	On the Cayley Graph of a Commutative Ring with Respect to its Zero-divisors. Communications in Algebra, 2016, 44, 1443-1459.	0.6	6
76	On the eigenvalues of signed complete graphs. Linear and Multilinear Algebra, 2019, 67, 433-441.	1.0	6
77	Zero-Sum Magic Labelings and Null Sets of Regular Graphs. Electronic Journal of Combinatorics, 2014, 21, .	0.4	6
78	Multicolored Parallelisms of Isomorphic Spanning Trees. SIAM Journal on Discrete Mathematics, 2006, 20, 564-567.	0.8	5
79	A relation between choosability and uniquely list colorability. Journal of Combinatorial Theory Series B, 2006, 96, 577-583.	1.0	5
80	The regular graph of a commutative ring. Periodica Mathematica Hungarica, 2013, 67, 211-220.	0.9	5
81	On the inclusion ideal graph of a ring. Electronic Notes in Discrete Mathematics, 2014, 45, 73-78.	0.4	5
82	Decompositions of graphs into trees, forests, and regular subgraphs. Discrete Mathematics, 2015, 338, 1322-1327.	0.7	5
83	Division Algebras with Left Algebraic Commutators. Algebras and Representation Theory, 2018, 21, 807-816.	0.7	5
84	The algebraic connectivity of a graph and its complement. Linear Algebra and Its Applications, 2018, 555, 157-162.	0.9	5
85	On the spectrum of some signed complete and complete bipartite graphs. Filomat, 2018, 32, 5817-5826.	0.5	5
86	Errorless codes for over-loaded synchronous CDMA systems and evaluation of channel capacity bounds. , 2008, , .		4
87	Nowhere-zero eigenvectors of graphs. Linear and Multilinear Algebra, 2013, 61, 273-279.	1.0	4
88	A generalization of 0-sum flows in graphs. Linear Algebra and Its Applications, 2013, 438, 3629-3634.	0.9	4
89	The proof of a conjecture in Jacobson graph of a commutative ring. Journal of Algebra and Its Applications, 2015, 14, 1550107.	0.4	4
90	Graphs with integer matching polynomial zeros. Discrete Applied Mathematics, 2017, 224, 1-8.	0.9	4

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91	Zero-sum flows for triple systems. Discrete Mathematics, 2017, 340, 416-425.	0.7	4
92	Co-maximal Graphs of Subgroups of Groups. Canadian Mathematical Bulletin, 2017, 60, 12-25.	0.5	4
93	Equimatchable Regular Graphs. Journal of Graph Theory, 2018, 87, 35-45.	0.9	4
94	Equimatchable claw-free graphs. Discrete Mathematics, 2018, 341, 2859-2871.	0.7	4
95	Some lower bounds for the energy of graphs. Linear Algebra and Its Applications, 2020, 591, 205-214.	0.9	4
96	Some properties of eigenvalues of the Seidel matrix. Linear and Multilinear Algebra, 2020, , 1-12.	1.0	4
97	The main eigenvalues of signed graphs. Linear Algebra and Its Applications, 2021, 614, 270-280.	0.9	4
98	The Chromatic Index of a Graph Whose Core has Maximum Degree 2. Electronic Journal of Combinatorics, 2012, 19, .	0.4	4
99	Cubic graphs with total domatic number at least two. Discussiones Mathematicae - Graph Theory, 2018, 38, 75.	0.3	4
100	Transversals in long rectangular arrays. Discrete Mathematics, 2006, 306, 3011-3013.	0.7	3
101	List coloring of graphs having cycles of length divisible by a given number. Discrete Mathematics, 2009, 309, 613-614.	0.7	3
102	On graphs whose star sets are (co-)cliques. Linear Algebra and Its Applications, 2009, 430, 504-510.	0.9	3
103	Commuting Graphs of Group Algebras. Communications in Algebra, 2010, 38, 3532-3538.	0.6	3
104	Harmonious coloring of trees with large maximum degree. Discrete Mathematics, 2012, 312, 1633-1637.	0.7	3
105	VECTOR SPACE GENERATED BY THE MULTIPLICATIVE COMMUTATORS OF A DIVISION RING. Journal of Algebra and Its Applications, 2013, 12, 1350043.	0.4	3
106	SOME CRITERIA FOR THE FINITENESS OF COZERO-DIVISOR GRAPHS. Journal of Algebra and Its Applications, 2013, 12, 1350056.	0.4	3
107	{k, r â€“ k}-Factors of r-Regular Graphs. Graphs and Combinatorics, 2014, 30, 821-826.	0.4	3
108	Independent domination in subcubic graphs. Journal of Combinatorial Optimization, 2022, 43, 28-41.	1.3	3

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109	0-Sum and 1-Sum Flows in Regular Graphs. Electronic Journal of Combinatorics, 2016, 23, .	0.4	3
110	On the energy of line graphs. Linear Algebra and Its Applications, 2022, 636, 143-153.	0.9	3
111	On the chromatic vertex stability number of graphs. European Journal of Combinatorics, 2022, 102, 103504.	0.8	3
112	Uniquely Total Colorable Graphs. Graphs and Combinatorics, 1997, 13, 305-314.	0.4	2
113	The f-Chromatic Index of a Graph Whose f-Core Has Maximum Degree 2. Canadian Mathematical Bulletin, 2013, 56, 449-458.	0.5	2
114	The multiplicity of Laplacian eigenvalue two in unicyclic graphs. Linear Algebra and Its Applications, 2014, 445, 18-28.	0.9	2
115	Some results on the intersection graph of submodules of a module. Mathematica Slovaca, 2017, 67, 297-304.	0.6	2
116	On the minimum energy of regular graphs. Linear Algebra and Its Applications, 2019, 581, 51-71.	0.9	2
117	Some results on the Laplacian Spread Conjecture. Linear Algebra and Its Applications, 2019, 574, 22-29.	0.9	2
118	Mixed paths and cycles determined by their spectrum. Linear Algebra and Its Applications, 2020, 586, 325-346.	0.9	2
119	On edge-path eigenvalues of graphs. Linear and Multilinear Algebra, 2022, 70, 2998-3008.	1.0	2
120	Spectra of Deza graphs. Linear and Multilinear Algebra, 2020, , 1-12.	1.0	2
121	Decomposing claw-free subcubic graphs and 4-chordal subcubic graphs. Discrete Applied Mathematics, 2021, 296, 52-55.	0.9	2
122	On the matrices with constant determinant and permanent over roots of unity. Linear Algebra and Its Applications, 2003, 375, 245-249.	0.9	1
123	Some relations among term rank, clique number and list chromatic number of a graph. Discrete Mathematics, 2006, 306, 3078-3082.	0.7	1
124	On edge star sets in trees. Discrete Mathematics, 2011, 311, 1172-1178.	0.7	1
125	The Chromatic Index of a Graph Whose Core is a Cycle of Order at Most 13. Graphs and Combinatorics, 2014, 30, 801-819.	0.4	1
126	On the Finiteness of Noetherian Rings with Finitely Many Regular Elements. Communications in Algebra, 2014, 42, 2869-2870.	0.6	1

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127	A Generalization of Hadamard Matrices. Electronic Notes in Discrete Mathematics, 2014, 45, 23-27.	0.4	1
128	The Chromatic Index of a Claw-Free Graph Whose Core has Maximum Degree $$2$$ 2. Graphs and Combinatorics, 2015, 31, 805-811.	0.4	1
129	Modules with Finitely Many Submodules. Algebra Colloquium, 2016, 23, 463-468.	0.2	1
130	Permanents of matrices over roots of unity. Linear and Multilinear Algebra, 2016, 64, 1769-1775.	1.0	1
131	Imprimitivity index of the adjacency matrix of digraphs. Linear Algebra and Its Applications, 2017, 517, 1-10.	0.9	1
132	Trees with a large Laplacian eigenvalue multiplicity. Linear Algebra and Its Applications, 2020, 586, 262-273.	0.9	1
133	A note on the algebraic connectivity of a graph and its complement. Linear and Multilinear Algebra, 2021, 69, 1248-1254.	1.0	1
134	On 1-sum flows in undirected graphs. Electronic Journal of Linear Algebra, 0, 31, 646-665.	0.6	1
135	Induced path factors of regular graphs. Journal of Graph Theory, 2021, 97, 260-280.	0.9	1
136	Two conjectures on uniquely totally colorable graphs. Discrete Mathematics, 2003, 266, 41-45.	0.7	0
137	Rings virtually satisfying a polynomial identity. Journal of Pure and Applied Algebra, 2005, 198, 9-19.	0.6	0
138	Rank, term rank and chromatic number of a graph. Comptes Rendus Mathematique, 2005, 340, 181-184.	0.3	0
139	Some relations between rank of a graph and its complement. Linear Algebra and Its Applications, 2007, 422, 341-347.	0.9	0
140	ON THE EXISTENCE OF NOWHERE-ZERO VECTORS FOR LINEAR TRANSFORMATIONS. Bulletin of the Australian Mathematical Society, 2010, 82, 480-487.	0.5	0
141	Join of two graphs admits a nowhere-zero 3-flow. Czechoslovak Mathematical Journal, 2014, 64, 433-446.	0.3	0
142	The Regular Graph of a Non-Commutative Ring. Electronic Notes in Discrete Mathematics, 2014, 45, 79-85.	0.4	0
143	Graphs whose Spectrum Determined by Non-constant Coefficients. Electronic Notes in Discrete Mathematics, 2014, 45, 29-34.	0.4	0
144	Proof of a theorem of Tutte using permanents. Electronic Notes in Discrete Mathematics, 2014, 45, 87-89.	0.4	0

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145	Complete Multipartite Graphs and their Null Set. Electronic Notes in Discrete Mathematics, 2014, 45, 67-72.	0.4	0
146	Dominating Coloring Number of Claw-free Graphs. Electronic Notes in Discrete Mathematics, 2014, 45, 91-97.	0.4	0
147	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si6.gif" display="inline" overflow="scroll"><mml:mrow><mml:mo>{</mml:mo><mml:mn>0</mml:mn><mml:mo>,</mml:mo><mml:mn>2</mml:mn><mml:mo> free spanning forests in graphs. Discrete Mathematics, 2015, 338, 1226-1231.	0.4	0
148	An Algebraic Criterion for the Choosability of Graphs. Graphs and Combinatorics, 2015, 31, 497-506.	0.4	0
149	Order of the largest Sachs subgraphs in graphs. Linear and Multilinear Algebra, 2017, 65, 204-209.	1.0	0
150	Complexity of the Improper Twin Edge Coloring of Graphs. Graphs and Combinatorics, 2017, 33, 595-615.	0.4	0
151	On N2-vertex coloring of graphs. Discrete Mathematics, Algorithms and Applications, 2018, 10, 1850007.	0.6	0
152	Highly edge-connected factors using given lists on degrees. Journal of Graph Theory, 2019, 90, 150-159.	0.9	0
153	An inequality using perfect matchings and Laplacian spread of a graph. Linear and Multilinear Algebra, 2019, 67, 442-447.	1.0	0
154	Nowhereâ€“zero bases for the nullspace of the incidence matrices of graphs. Linear and Multilinear Algebra, 2020, 68, 1642-1654.	1.0	0
155	Orientations of graphs avoiding given lists on outâ€degrees. Journal of Graph Theory, 2020, 93, 483-502.	0.9	0
156	Zero-sum flows for Steiner systems. Discrete Mathematics, 2020, 343, 112074.	0.7	0
157	Some criteria for a signed graph to have full rank. Discrete Mathematics, 2020, 343, 111910.	0.7	0
158	The coloring of the cozero-divisor graph of a commutative ring. Discrete Mathematics, Algorithms and Applications, 2020, 12, 2050023.	0.6	0
159	Circular Zero-Sum r-Flows of Regular Graphs. Graphs and Combinatorics, 2020, 36, 1079-1092.	0.4	0
160	On a question of Haemers regarding vectors in the nullspace of Seidel matrices. Linear Algebra and Its Applications, 2021, 615, 194-206.	0.9	0
161	On double-star decomposition of graphs. Discussiones Mathematicae - Graph Theory, 2017, 37, 835.	0.3	0
162	Some Results on Dominating Induced Matchings. Graphs and Combinatorics, 2022, 38, 1.	0.4	0

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163	A strict inequality on the energy of edge partitioning of graphs. Linear and Multilinear Algebra, 0, , 1-5.	1.0	0