

Juan Rada

List of Publications by Year in descending order

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81
papers

1,088
citations

516215

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29
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82
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82
docs citations

82
times ranked

383
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertex-Degree Based Topological Indices of Graphene. Polycyclic Aromatic Compounds, 2022, 42, 1524-1532.	1.4	15
2	Total eccentricity index of trees with fixed pendent vertices and trees with fixed diameter. Japan Journal of Industrial and Applied Mathematics, 2022, 39, 443-465.	0.5	2
3	A relation between a vertex-degree-based topological index and its energy. Linear Algebra and Its Applications, 2022, 636, 134-142.	0.4	11
4	Anacondensed hexagonal systems. Applied Mathematics and Computation, 2022, 418, 126798.	1.4	1
5	Extremal Graphs for Exponential VDB Indices. Kragujevac Journal of Mathematics, 2022, 46, 105-113.	0.3	8
6	Sombor index of directed graphs. Heliyon, 2022, 8, e09035.	1.4	1
7	Hosoya index of VDB-weighted graphs. Discrete Applied Mathematics, 2022, 317, 18-25.	0.5	1
8	k -domination and total k -domination numbers in catacondensed hexagonal systems. Mathematical Biosciences and Engineering, 2022, 19, 7138-7155.	1.0	1
9	Computation method of the Hosoya index of primitive coronoid systems. Mathematical Biosciences and Engineering, 2022, 19, 9842-9852.	1.0	0
10	Energy of a digraph with respect to a VDB topological index. Special Matrices, 2022, 10, 417-426.	0.2	2
11	Vertex-degree-based topological indices of oriented trees. Applied Mathematics and Computation, 2022, 433, 127395.	1.4	1
12	Extremal spectral radius of graphs with rank 4. Linear Algebra and Its Applications, 2021, 609, 1-11.	0.4	7
13	Extremal values of vertex-degree-based topological indices of coronoid systems. International Journal of Quantum Chemistry, 2021, 121, e26536.	1.0	9
14	The balanced double star has maximum exponential second Zagreb index. Journal of Combinatorial Optimization, 2021, 41, 544-552.	0.8	8
15	Domination number of catacondensed hexagonal systems. Journal of Mathematical Chemistry, 2021, 59, 1348-1367.	0.7	5
16	Extremal values of the Sombor index in unicyclic and bicyclic graphs. Journal of Mathematical Chemistry, 2021, 59, 1098-1116.	0.7	41
17	Vertex-degree based topological indices of digraphs. Discrete Applied Mathematics, 2021, 295, 13-24.	0.5	19
18	Orientations of hexagonal chains with extremal values of the Randić index. International Journal of Quantum Chemistry, 2021, 121, e26744.	1.0	3

#	ARTICLE	IF	CITATIONS
19	Lower bounds for the spectral norm of digraphs. <i>Linear Algebra and Its Applications</i> , 2021, 617, 151-167.	0.4	2
20	Sombor index of chemical graphs. <i>Applied Mathematics and Computation</i> , 2021, 399, 126018.	1.4	56
21	General properties on Sombor indices. <i>Discrete Applied Mathematics</i> , 2021, 299, 87-97.	0.5	30
22	Geometric properties of chemical graphs. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26798.	1.0	1
23	Sombor index of trees with at most three branch vertices. <i>Applied Mathematics and Computation</i> , 2021, 409, 126414.	1.4	10
24	Sharp Upper and Lower Bounds of VDB Topological Indices of Digraphs. <i>Symmetry</i> , 2021, 13, 1903.	1.1	7
25	On spectra and real energy of complex weighted digraphs. <i>Linear and Multilinear Algebra</i> , 2020, 68, 1064-1076.	0.5	5
26	Domination in hexagonal chains. <i>Applied Mathematics and Computation</i> , 2020, 369, 124817.	1.4	5
27	On the characterization of digraphs with given rank. <i>Linear Algebra and Its Applications</i> , 2020, 587, 215-227.	0.4	3
28	Lower bounds for the number of inlets of hexagonal systems. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26358.	1.0	3
29	Trees with maximum exponential Randić index. <i>Discrete Applied Mathematics</i> , 2020, 283, 634-643.	0.5	17
30	Extremal trees for the Randić index with given domination number. <i>Applied Mathematics and Computation</i> , 2020, 375, 125122.	1.4	14
31	Extremal values of vertex-degree-based topological indices of chemical trees. <i>Applied Mathematics and Computation</i> , 2020, 380, 125281.	1.4	7
32	Maximal Augmented Zagreb Index of Trees With at Most Three Branching Vertices. <i>IEEE Access</i> , 2019, 7, 146652-146661.	2.6	3
33	Extremal values of energy over oriented bicyclic graphs. <i>Applied Mathematics and Computation</i> , 2019, 342, 26-34.	1.4	7
34	The Augmented Zagreb Indices of Fluoranthene-Type Benzenoid Systems. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 2019, 42, 1119-1141.	0.4	7
35	Oriented bipartite graphs with minimal trace norm. <i>Linear and Multilinear Algebra</i> , 2019, 67, 1121-1131.	0.5	22
36	Lower bounds for the energy of weighted digraphs. <i>Linear and Multilinear Algebra</i> , 2019, 67, 743-755.	0.5	3

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37	Upper bound for the trace norm of the Laplacian matrix of a digraph and normally regular digraphs. <i>Linear Algebra and Its Applications</i> , 2018, 552, 194-209.	0.4	6
38	Extremal benzenoid systems for two modified versions of the Randić index. <i>Applied Mathematics and Computation</i> , 2018, 337, 14-24.	1.4	4
39	Extremal values of Merrifield-Simmons index for trees with two branching vertices. <i>Kragujevac Journal of Mathematics</i> , 2018, 42, 97-106.	0.3	2
40	Energy of matrices. <i>Applied Mathematics and Computation</i> , 2017, 312, 149-157.	1.4	7
41	Complex adjacency matrix and energy of digraphs. <i>Linear and Multilinear Algebra</i> , 2017, 65, 2170-2186.	0.5	12
42	Vertex-degree-based topological indices of hexagonal systems with equal number of edges. <i>Applied Mathematics and Computation</i> , 2017, 296, 270-276.	1.4	7
43	On the energy of symmetric matrices and Coulson's integral formula. <i>Revista Colombiana De Matematicas</i> , 2017, 50, 175.	0.4	1
44	Lower bounds of Nikiforov's energy over digraphs. <i>Linear Algebra and Its Applications</i> , 2016, 494, 156-164.	0.4	10
45	Extremal values of the trace norm over oriented trees. <i>Linear Algebra and Its Applications</i> , 2016, 505, 261-268.	0.4	8
46	Bicyclic digraphs with maximal energy. <i>Applied Mathematics and Computation</i> , 2016, 280, 124-131.	1.4	13
47	Extremal polyomino chains of VDB topological indices. <i>Applied Mathematical Sciences</i> , 2015, 9, 5371-5388.	0.0	2
48	Vertex-degree-based topological indices over starlike trees. <i>Discrete Applied Mathematics</i> , 2015, 185, 18-25.	0.5	6
49	Extremal values of vertex-degree-based topological indices over graphs. <i>Journal of Applied Mathematics and Computing</i> , 2015, 48, 395-406.	1.2	5
50	Wiener index of Eulerian graphs. <i>Discrete Applied Mathematics</i> , 2014, 162, 247-250.	0.5	25
51	Extremal values of vertex-degree-based topological indices over hexagonal systems with fixed number of vertices. <i>Applied Mathematics and Computation</i> , 2014, 243, 176-183.	1.4	17
52	An upper bound for the energy of radial digraphs. <i>Linear Algebra and Its Applications</i> , 2014, 442, 75-81.	0.4	6
53	Vertex-degree-based topological indices of catacondensed hexagonal systems. <i>Chemical Physics Letters</i> , 2013, 572, 154-157.	1.2	11
54	The energy of directed hexagonal systems. <i>Linear Algebra and Its Applications</i> , 2013, 439, 1825-1833.	0.4	7

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55	On benzenoid systems with minimal number of inlets. <i>Journal of the Serbian Chemical Society</i> , 2013, 78, 1351-1357.	0.4	4
56	Bounds for the energy of normal digraphs. <i>Linear and Multilinear Algebra</i> , 2012, 60, 323-332.	0.5	20
57	Cotorsion pairs in $C(R\text{-Mod})$. <i>Rocky Mountain Journal of Mathematics</i> , 2012, 42, .	0.2	16
58	Lower bounds for the energy of digraphs. <i>Linear Algebra and Its Applications</i> , 2010, 432, 2174-2180.	0.4	26
59	A lower bound for the spectral radius of a digraph. <i>Linear Algebra and Its Applications</i> , 2010, 433, 233-240.	0.4	21
60	The McClelland inequality for the energy of digraphs. <i>Linear Algebra and Its Applications</i> , 2009, 430, 800-804.	0.4	30
61	Energy of digraphs. <i>Linear and Multilinear Algebra</i> , 2008, 56, 565-579.	0.5	80
62	Retarded regular graphs are regular or semiregular. <i>Linear and Multilinear Algebra</i> , 2008, 56, 507-509.	0.5	0
63	Estimating the Estrada index. <i>Linear Algebra and Its Applications</i> , 2007, 427, 70-76.	0.4	129
64	On the multiplicity of the eigenvalues of a graph. <i>Acta Mathematica Hungarica</i> , 2007, 114, 91-101.	0.3	6
65	Energy ordering of catacondensed hexagonal systems. <i>Discrete Applied Mathematics</i> , 2005, 145, 437-443.	0.5	34
66	RandiĀ ordering of chemical trees. <i>Discrete Applied Mathematics</i> , 2005, 150, 232-250.	0.5	11
67	Comparing momenta and $\langle mml:math altimg="sr1.gif" overflow="scroll" \rangle$ <small>xmns:xocs= http://www.elsevier.com/xml/xocs/dtd xmns:xs= http://www.w3.org/2001/XMLSchema xmns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmns="http://www.elsevier.com/xml/ja/dtd" xmns:ja="http://www.elsevier.com/xml/ja/dtd" xmns:mml="http://www.w3.org/1998/Math/MathML" xmns:tb="http://www.elsevier.com/xml/common/table/dtd" xmns:tbl="http://www.elsevier.com/xml/common/struct-bib/dtd" xmns:tbl="http://www.elsevier.com/</small>	0.4	15
68	Variation of the Wiener index under tree transformations. <i>Discrete Applied Mathematics</i> , 2005, 148, 135-146.	0.5	7
69	Abelian groups which have trivial absolute coGalois group. <i>Czechoslovak Mathematical Journal</i> , 2005, 55, 433-437.	0.3	1
70	The higher-order matching polynomial of a graph. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2005, 2005, 1565-1576.	0.3	5
71	Upper and lower bounds for the energy of bipartite graphs. <i>Journal of Mathematical Analysis and Applications</i> , 2004, 289, 446-455.	0.5	44
72	Characteristic polynomial of catacondensed systems. <i>Linear Algebra and Its Applications</i> , 2003, 367, 243-253.	0.4	1

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73	Polygonal chains with minimal energy. <i>Linear Algebra and Its Applications</i> , 2003, 372, 333-344.	0.4	31
74	RandiÄ† structure of a graph. <i>Discrete Applied Mathematics</i> , 2003, 128, 447-463.	0.5	3
75	Higher order connectivity index of starlike trees. <i>Discrete Applied Mathematics</i> , 2002, 119, 287-295.	0.5	14
76	Matchings in starlike trees. <i>Applied Mathematics Letters</i> , 2001, 14, 843-848.	1.5	9
77	Reflective subcategories. <i>Glasgow Mathematical Journal</i> , 2000, 42, 97-113.	0.2	5
78	RandiÄ† index and lexicographic order. <i>Journal of Mathematical Chemistry</i> , 2000, 27, 201-212.	0.7	9
79	On two open problems about embedding of modules in free modules [—] . <i>Communications in Algebra</i> , 1999, 27, 105-118.	0.3	2
80	Rings characterized by (pre)envelopes and (pre)covers of their modules [—] . <i>Communications in Algebra</i> , 1998, 26, 899-912.	0.3	71
81	On Semiregular Rings whose Finitely Generated Modules Embed in Free Modules. <i>Canadian Mathematical Bulletin</i> , 1997, 40, 221-230.	0.3	8