

Moacir Kripka

List of Publications by Year in descending order

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45
papers

300
citations

840776

11
h-index

940533

16
g-index

48
all docs

48
docs citations

48
times ranked

195
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of reinforced concrete columns according to different environmental impact assessment parameters. <i>Engineering Structures</i> , 2014, 59, 185-194.	5.3	59
2	Optimization of reinforced concrete building frames with automated grouping of columns. <i>Automation in Construction</i> , 2019, 104, 331-340.	9.8	29
3	Discrete optimization of trusses by simulated annealing. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2004, 26, 170.	1.6	27
4	Use of optimization for automatic grouping of beam cross-section dimensions in reinforced concrete building structures. <i>Engineering Structures</i> , 2015, 99, 311-318.	5.3	23
5	Selection of Sustainable Short-Span Bridge Design in Brazil. <i>Sustainability</i> , 2019, 11, 1307.	3.2	17
6	Optimum design of reinforced concrete columns subjected to uniaxial flexural compression. <i>Computers and Concrete</i> , 2012, 9, 327-340.	0.7	16
7	Cold-formed steel channel columns optimization with simulated annealing method. <i>Structural Engineering and Mechanics</i> , 2013, 48, 383-394.	1.0	15
8	Structural optimization and proposition of pre-sizing parameters for beams in reinforced concrete buildings. <i>Computers and Concrete</i> , 2013, 11, 253-270.	0.7	14
9	Evaluation of short span bridge projects with a focus on sustainability. <i>Structure and Infrastructure Engineering</i> , 2020, 16, 367-380.	3.7	12
10	Study of Alternatives for the Design of Sustainable Low-Income Housing in Brazil. <i>Sustainability</i> , 2021, 13, 4757.	3.2	12
11	Determinação das emissões de dióxido de carbono das matérias primas do concreto produzido na região norte do Rio Grande do Sul. <i>Ambiente Construído</i> , 2016, 16, 35-49.	0.4	11
12	Artificial Intelligence Applications in Civil Engineering. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-3.	0.7	10
13	Life Cycle Assessment of Bridges Using Bayesian Networks and Fuzzy Mathematics. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4916.	2.5	8
14	Proposal of Sustainability Indicators for the Design of Small-Span Bridges. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4488.	2.6	6
15	Modified harmony search and its application to cost minimization of RC columns. <i>Advances in Computational Design</i> , 2017, 2, 1-13.	0.3	6
16	Studies on Environmental Impact Assessment of Reinforced Concrete in Different Life Cycle Phases. <i>International Journal of Structural Glass and Advanced Materials Research</i> , 2017, 1, 32-40.	0.4	5
17	Experimental and analytical study of vibration parameters in waffle concrete slabs. <i>Engineering Structures</i> , 2019, 199, 109593.	5.3	4
18	Multiobjective Optimization Design for Structural Parameters of TBM Disc Cutter Rings Based on FAHP and SAMPGA. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-13.	0.7	4

#	ARTICLE	IF	CITATIONS
19	Fair wage potential as a tool for social assessment in building projects. Engineering, Construction and Architectural Management, 2021, 28, 1295-1318.	3.1	4
20	Selection of Production Mix in the Agricultural Machinery Industry Considering Sustainability in Decision Making. Sustainability, 2021, 13, 9110.	3.2	4
21	Cross-Sectional Optimization of Reinforced Concrete Columns Considering both Economical and Environmental Costs. Applied Mechanics and Materials, 0, 193-194, 1086-1089.	0.2	3
22	Optimization of Reinforced Concrete Beams and Steel Beams: A Comparative Study. International Journal of Structural Glass and Advanced Materials Research, 2020, 4, 160-167.	0.4	2
23	A Identificação de Patologias em Pontes de Madeira: Diagnóstico Realizado no Sistema Viário do Município de Pato Branco - Paraná. REEC: Revista Eletrônica De Engenharia Civil, 2012, 4, .	0.1	2
24	Advanced Optimization Techniques and Their Applications in Civil Engineering. Advances in Civil Engineering, 2018, 2018, 1-2.	0.7	1
25	Correlational investigation of manufacturing technology and environmental impact in an agricultural machinery industry. Global Nest Journal, 2021, , .	0.1	1
26	Modelos Matemáticos para Otimização do Tráfego Urbano Semaforzado. TeMa, 2013, 14, 359.	0.1	1
27	Otimização numérica e experimental de perfis U formados a frio sujeitos à compressão. Revista Escola De Minas, 2008, 61, 371-377.	0.1	0
28	Simultaneous geometry and cross-section optimization of aluminum trusses. Multidiscipline Modeling in Materials and Structures, 2016, 12, 315-325.	1.3	0
29	MÉTODOS DE DECISÃO MULTICRITÉRIO APLICADO À SELEÇÃO DE MATERIAIS ESTRUTURAIS CONSIDERANDO O IMPACTO AMBIENTAL. Revista AIDIS De Ingeniería Y Ciencias Ambientales Investigación Y Desarrollo Y Práctica, 2021, 14, 462.	0.0	0
30	Otimização Estrutural das Paredes de Silos Metálicos Prismáticos com a Utilização do MS Excel Solver.. Semina: Ciências Exatas E Tecnológicas, 2010, 31, 131.	0.1	0
31	ALGUMAS APLICAÇÕES DE MÉTODOS HEURÍSTICOS NA OTIMIZAÇÃO DE ESTRUTURAS. Revista CIATEC-UFPE, 2012, 4, .	0.0	0
32	Modelagem Matemática para Coleta Seletiva no Município de Passo Fundo - RS. , 0, , 237-252.		0
33	Simulated Annealing Aplicado ao Problema de Alocação de Salas com Deslocamentos Mútuos. , 0, , 325-338.		0
34	Minimização do peso de treliças de alumínio pela otimização simultânea da seção transversal dos elementos e da geometria: análise numérica e validação experimental. REEC: Revista Eletrônica De Engenharia Civil, 2013, 7, .	0.1	0
35	DIMENSIONAMENTO OTIMIZADO DA SEÇÃO TRANSVERSAL DE PILARES EM CONCRETO ARMADO SUBMETIDOS À FLEXOCOMPRESSÃO. Revista Sul-americana De Engenharia Estrutural, 2013, 10, .	0.1	0
36	Estudo de parâmetros da ventilação natural para maximização do conforto térmico em pavilhões industriais: simulações numéricas. REEC: Revista Eletrônica De Engenharia Civil, 2014, 8, .	0.1	0

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37	Estudo de parâmetros da ventilação natural para maximização do conforto térmico em pavilhões industriais: validação experimental em túnel de vento. REEC: Revista Eletrônica De Engenharia Civil, 2014, 8, .	0.1	0
38	MÉTODOS DA BUSCA HARMÔNICA APLICADO NA OTIMIZAÇÃO DE SEÇÕES DE PILARES EM CONCRETO ARMADO. Anais Do ... Congresso Ibero-Latino-Americano De Métodos Computacionais Em Engenharia, 0, .	0.0	0
39	ROTEAMENTO DE PLACAS DE CIRCUITO IMPRESSO: ANÁLISE SOB O ASPECTO DA OTIMIZAÇÃO. Revista CIATEC-UPF, 2015, 7, 31.	0.0	0
40	Otimização aplicada ao problema de alocação de equipes em uma panificadora. Exacta, 2015, 13, 377-388.	0.5	0
41	Topology Optimization of Reinforced Concrete Plane Frames. Revista Sul-americana De Engenharia Estrutural, 2016, 13, .	0.1	0
42	Determinação do posicionamento ótimo de apoios em pontes. Ciencia and Engenharia/ Science and Engineering Journal, 2017, 22, 29-36.	0.1	0
43	Geometric optimization of steel trusses with parallel chords. Journal of Construction Engineering Management & Innovation, 2018, 1, 129-138.	0.3	0
44	ESTUDOS SOBRE ALTERNATIVAS DE PROJETO PARA A MINIMIZAÇÃO DO IMPACTO AMBIENTAL DE EDIFÍCIOS EM CONCRETO ARMADO. Revista AIDIS De Ingeniería Y Ciencias Ambientales Investigación Y Práctica, 2020, 13, 153.	0.0	0
45	Comparison of Brazilian Social Interest Housing Projects Considering Sustainability. International Journal of Environmental Research and Public Health, 2022, 19, 6213.	2.6	0