

Nikos Angelos Salingaros

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

1,227
citations

361413

20
h-index

414414

32
g-index

81
all docs

81
docs citations

81
times ranked

485
citing authors

#	ARTICLE	IF	CITATIONS
1	What Happens in Your Brain When You Walk Down the Street? Implications of Architectural Proportions, Biophilia, and Fractal Geometry for Urban Science. <i>Urban Science</i> , 2022, 6, 3.	2.3	19
2	Spontaneous Cities: Lessons to Improve Planning for Housing. <i>Land</i> , 2021, 10, 535.	2.9	2
3	Visual Attention Software: A New Tool for Understanding the "Subliminal" Experience of the Built Environment. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6197.	2.5	18
4	Symmetry in architecture: Toward an overdue reassessment. <i>Symmetry: Culture and Science</i> , 2021, 32, 311-343.	0.1	5
5	The Importance of Domestic Space in the Times of COVID-19. <i>Challenges</i> , 2021, 12, 27.	1.7	10
6	Can Suboptimal Visual Environments Negatively Affect Children's Cognitive Development?. <i>Challenges</i> , 2021, 12, 28.	1.7	3
7	It's Time for World Architecture to Learn from Christopher Alexander: Discovering Humanity's Relationship with the Universe. <i>She Ji</i> , 2020, 6, 376-380.	1.0	1
8	Biometric Pilot-Studies Reveal the Arrangement and Shape of Windows on a Traditional Façade to be Implicitly "Engaging", Whereas Contemporary Façades are Not. <i>Urban Science</i> , 2020, 4, 26.	2.3	25
9	Connecting to the World: Christopher Alexander's Tool for Human-Centered Design. <i>She Ji</i> , 2020, 6, 455-481.	1.0	6
10	Symmetry gives meaning to architecture. <i>Symmetry: Culture and Science</i> , 2020, 31, 231-260.	0.1	9
11	On Theory and Practice. <i>Inference</i> , 2020, 5, .	0.0	0
12	The Rise of the Architectural Cult. <i>Inference</i> , 2019, 5, .	0.0	0
13	Fractals and Christopher Alexander's "Fifteen Fundamental Properties". <i>Conscious Cities Anthology</i> , 2018, 2018, .	0.0	0
14	WHY WE NEED TO "GRASP" OUR SURROUNDINGS: OBJECT AFFORDANCE AND PREHENSION IN ARCHITECTURE. <i>Journal of Architecture and Urbanism</i> , 2017, 41, 163-169.	0.7	9
15	INTELLECTUAL [DIS]HONESTY IN ARCHITECTURE. <i>Journal of Architecture and Urbanism</i> , 2014, 38, 187-191.	0.7	4
16	Complexity in Architecture and Design. <i>OZ</i> , 2014, 36, .	0.1	14
17	GUEST EDITORIAL: COMPLEXITY, PATTERNS, AND BIOPHILIA. <i>Archnet-IJAR</i> , 2014, 8, 5.	1.5	1
18	Peer-to-Peer-Stadtplanung: Aus Erfahrung lernen Neuere Entwicklungen in der Stadtplanung. , 2014, , 508-515.		0

#	ARTICLE	IF	CITATIONS
19	Urbanism as Computation. , 2012, , 245-268.		3
20	Urban nuclei and the geometry of streets: The "emergent neighborhoods"™ model. Urban Design International, 2010, 15, 22-46.	2.8	85
21	Geospatial Analysis and Living Urban Geometry. Geospatial Technology and the Role of Location in Science, 2010, , 331-353.	0.5	1
22	Remarks on a city composition. Journal of Design Research, 2004, .	0.1	7
23	The Information Architecture of Cities. Journal of Information Science, 2004, 30, 107-118.	3.3	17
24	Modularity and the Number of Design Choices. Nexus Network Journal, 2001, 3, 99-109.	0.7	9
25	A Pattern Measure. Environment and Planning B: Planning and Design, 2000, 27, 537-547.	1.7	32
26	Pavements as Embodiments of Meaning for a Fractal Mind. Nexus Network Journal, 2000, 2, 63-74.	0.7	8
27	The structure of pattern languages. Architectural Research Quarterly, 2000, 4, 149-162.	0.1	77
28	Complexity and Urban Coherence. Journal of Urban Design, 2000, 5, 291-316.	1.4	101
29	Architecture, Patterns, and Mathematics. Nexus Network Journal, 1999, 1, 75-86.	0.7	39
30	Urban space and its information field. Journal of Urban Design, 1999, 4, 29-49.	1.4	49
31	A universal rule for the distribution of sizes. Environment and Planning B: Planning and Design, 1999, 26, 909-923.	1.7	68
32	Theory of the urban web. Journal of Urban Design, 1998, 3, 53-71.	1.4	82
33	Life and Complexity in Architecture From a Thermodynamic Analogy. Physics Essays, 1997, 10, 165-173.	0.4	37
34	A Critical Comparison between Magnetic and Inertial Confinement Schemes and Their Geometries. Fusion Science and Technology, 1995, 27, 230-236.	0.6	2
35	Report on the International Symposium "Evaluation of Current Trends in Fusion Research". Journal of Fusion Energy, 1995, 14, 281-327.	1.2	1
36	The Laws of Architecture From a Physicist's Perspective. Physics Essays, 1995, 8, 638-643.	0.4	26

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37	A description of self-exciting dynamos in Cartesian and cylindrical geometries. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 185, 201-205.	2.1	3
38	Local currents in magnetic flux tubes and flux ropes. American Journal of Physics, 1993, 61, 811-817.	0.7	6
39	A Classification of Magnetohydrodynamic Generators with Cylindrical Symmetry. Europhysics Letters, 1993, 24, 467-472.	2.0	1
40	Oscillation and Reconnection of Plasma Fibers in a Description of Tokamak Phenomena. Fusion Science and Technology, 1993, 23, 257-266.	0.6	1
41	A simplified approach to pinch equilibrium. Plasma Physics and Controlled Fusion, 1992, 34, 191-202.	2.1	3
42	General construction of force-free current filaments. Physical Review A, 1992, 45, 8816-8819.	2.5	3
43	Force-free plasma currents driven by electromagnetic oscillations with E parallel to B. Physical Review A, 1992, 45, 8811-8815.	2.5	2
44	Fiber theory and cosmic plasmas. IEEE Transactions on Plasma Science, 1992, 20, 893-897.	1.3	0
45	Magnetohydrostatic equilibria and force-free states. Physica Scripta, 1991, 43, 316-322.	2.5	5
46	Fiber theory: evolution and disruption in the gaseous and dense Z-pinches. Physica Scripta, 1991, 43, 416-422.	2.5	5
47	Optimal current distribution for energy storage in superconducting magnets. Journal of Applied Physics, 1991, 69, 531-533.	2.5	5
48	The spherical pinch: Generalized scaling laws and experimental verification of the stability of imploding shock waves in spherical geometry. Laser and Particle Beams, 1990, 8, 253-263.	1.0	9
49	Lorentz force and magnetic stress in force-free configurations. Applied Physics Letters, 1990, 56, 617-619.	3.3	16
50	Origin of the magnetic confinement force in the homogeneous Z pinch. IEEE Transactions on Plasma Science, 1989, 17, 854-858.	1.3	7
51	Magnetic Force-Free Configurations for Thermonuclear Fusion.. Physics Essays, 1988, 1, 92-101.	0.4	5
52	Duality rotations and relativistic charged particle motions. American Journal of Physics, 1987, 55, 352-356.	0.7	5
53	An amended magnetohydrodynamic equation which predicts field-aligned current sheets. Astrophysics and Space Science, 1987, 137, 385-395.	1.4	7
54	The Lorentz group and the Thomas precession. II. Exact results for the product of two boosts. Journal of Mathematical Physics, 1986, 27, 157-162.	1.1	22

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55	Clifford Algebraic Symmetries in Physics, 1986, , 467-470.		1
56	The Clifford algebra of differential forms. Acta Applicandae Mathematicae, 1985, 4, 271-292.	1.0	26
57	Some remarks on the algebra of Eddington's numbers. Foundations of Physics, 1985, 15, 683-691.	1.3	6
58	Particle in an external electromagnetic field. II. The exact velocity in a constant and uniform field. Physical Review D, 1985, 31, 3150-3156.	4.7	7
59	Invariants of the electromagnetic field and electromagnetic waves. American Journal of Physics, 1985, 53, 361-363.	0.7	18
60	Relativistic motion of a charged particle, the Lorentz group, and the Thomas precession. Journal of Mathematical Physics, 1984, 25, 706-716.	1.1	13
61	The relationship between finite groups and Clifford algebras. Journal of Mathematical Physics, 1984, 25, 738-742.	1.1	27
62	Algebraic field descriptions in three-dimensional Euclidean space. Foundations of Physics, 1984, 14, 777-797.	1.3	10
63	The exponential mapping in Clifford algebras. Journal of Mathematical Physics, 1984, 25, 2347-2350.	1.1	10
64	Physical algebras in four dimensions. I. The Clifford algebra in Minkowski spacetime. Advances in Applied Mathematics, 1983, 4, 1-30.	0.7	24
65	Physical algebras in four dimensions. II. The Majorana algebra. Advances in Applied Mathematics, 1983, 4, 31-38.	0.7	9
66	Particle in an external electromagnetic field. Physical Review D, 1983, 28, 2473-2476.	4.7	4
67	On the classification of Clifford algebras and their relation to spinors in n dimensions. Journal of Mathematical Physics, 1982, 23, 1-7.	1.1	37
68	Electromagnetism and the holomorphic properties of spacetime. Journal of Mathematical Physics, 1981, 22, 1919-1925.	1.1	23
69	Algebras with three anticommuting elements. I. Spinors and quaternions. Journal of Mathematical Physics, 1981, 22, 2091-2095.	1.1	25
70	Algebras with three anticommuting elements. II. Two algebras over a singular field. Journal of Mathematical Physics, 1981, 22, 2096-2100.	1.1	15
71	Realization, extension, and classification of certain physically important groups and algebras. Journal of Mathematical Physics, 1981, 22, 226-232.	1.1	56
72	Properties of an Associative Algebra of Tensor Fields. Duality and Dirac Identities. Physical Review Letters, 1979, 43, 1-4.	7.8	24