Nikos Angelos Salingaros

List of Publications by Year
in descending order

72	1,227	361413	414414
papers	citations	20 h-index	32 g-index

81	81	81	485
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Complexity and Urban Coherence. Journal of Urban Design, 2000, 5, 291-316.	1.4	101
2	Urban nuclei and the geometry of streets: The â€˜emergent neighborhoodsâ€™ model. Urban Design International, 2010, 15, 22-46.	2.8	85
3	Theory of the urban web. Journal of Urban Design, 1998, 3, 53-71.	1.4	82
4	The structure of pattern languages. Architectural Research Quarterly, 2000, 4, 149-162.	0.1	77
5	A universal rule for the distribution of sizes. Environment and Planning B: Planning and Design, 1999, 26, 909-923.	1.7	68
6	Realization, extension, and classification of certain physically important groups and algebras. Journal of Mathematical Physics, 1981, 22, 226-232.	1.1	56
7	Urban space and its information field. Journal of Urban Design, 1999, 4, 29-49.	1.4	49
8	Architecture, Patterns, and Mathematics. Nexus Network Journal, 1999, 1, 75-86.	0.7	39
9	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
10	Life and Complexity in Architecture From a Thermodynamic Analogy. Physics Essays, 1997, 10, 165-173.	0.4	37
11	A Pattern Measure. Environment and Planning B: Planning and Design, 2000, 27, 537-547.	1.7	32
12	The relationship between finite groups and Clifford algebras. Journal of Mathematical Physics, 1984, 25, 738-742.	1.1	27
13	The Clifford algebra of differential forms. Acta Applicandae Mathematicae, 1985, 4, 271-292.	1.0	26
14	The Laws of Architecture From a Physicist's Perspective. Physics Essays, 1995, 8, 638-643.	0.4	26
15	Algebras with three anticommuting elements. I. Spinors and quaternions. Journal of Mathematical Physics, 1981, 22, 2091-2095.	1.1	25
16	Biometric Pilot-Studies Reveal the Arrangement and Shape of Windows on a Traditional FaÃ§ade to be Implicitly â€œEngagingâ€, Whereas Contemporary FaÃ§ades are Not. Urban Science, 2020, 4, 26.	2.3	25
17	Properties of an Associative Algebra of Tensor Fields. Duality and Dirac Identities. Physical Review Letters, 1979, 43, 1-4.	7.8	24
18	Physical algebras in four dimensions. I. The Clifford algebra in Minkowski spacetime. Advances in Applied Mathematics, 1983, 4, 1-30.	0.7	24

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19	Electromagnetism and the holomorphic properties of spacetime. Journal of Mathematical Physics, 1981, 22, 1919-1925.	1.1	23
20	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
21	What Happens in Your Brain When You Walk Down the Street? Implications of Architectural Proportions, Biophilia, and Fractal Geometry for Urban Science. Urban Science, 2022, 6, 3.	2.3	19
22	Invariants of the electromagnetic field and electromagnetic waves. American Journal of Physics, 1985, 53, 361-363.	0.7	18
23	Visual Attention Software: A New Tool for Understanding the â€œSubliminalâ€•Experience of the Built Environment. Applied Sciences (Switzerland), 2021, 11, 6197.	2.5	18
24	The Information Architecture of Cities. Journal of Information Science, 2004, 30, 107-118.	3.3	17
25	Lorentz force and magnetic stress in forceâ€free configurations. Applied Physics Letters, 1990, 56, 617-619.	3.3	16
26	Algebras with three anticommuting elements. II. Two algebras over a singular field. Journal of Mathematical Physics, 1981, 22, 2096-2100.	1.1	15
27	Complexity in Architecture and Design. OZ, 2014, 36, .	0.1	14
28	Relativistic motion of a charged particle, the Lorentz group, and the Thomas precession. Journal of Mathematical Physics, 1984, 25, 706-716.	1.1	13
29	Algebraic field descriptions in three-dimensional Euclidean space. Foundations of Physics, 1984, 14, 777-797.	1.3	10
30	The exponential mapping in Clifford algebras. Journal of Mathematical Physics, 1984, 25, 2347-2350.	1.1	10
31	The Importance of Domestic Space in the Times of COVID-19. Challenges, 2021, 12, 27.	1.7	10
32	Physical algebras in four dimensions. II. The Majorana algebra. Advances in Applied Mathematics, 1983, 4, 31-38.	0.7	9
33	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
34	Modularity and the Number of Design Choices. Nexus Network Journal, 2001, 3, 99-109.	0.7	9
35	WHY WE NEED TO â€œGRASPâ€•OUR SURROUNDINGS: OBJECT AFFORDANCE AND PREHENSION IN ARCHITECTURE. Journal of Architecture and Urbanism, 2017, 41, 163-169.	0.7	9
36	Symmetry gives meaning to architecture. Symmetry: Culture and Science, 2020, 31, 231-260.	0.1	9

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37	Pavements as Embodiments of Meaning for a Fractal Mind. Nexus Network Journal, 2000, 2, 63-74.	0.7	8
38	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
39	An amended magnetohydrodynamic equation which predicts field-aligned current sheets. Astrophysics and Space Science, 1987, 137, 385-395.	1.4	7
40	Origin of the magnetic confinement force in the homogeneous Z pinch. IEEE Transactions on Plasma Science, 1989, 17, 854-858.	1.3	7
41	Remarks on a city composition. Journal of Design Research, 2004, .	0.1	7
42	Some remarks on the algebra of Eddington'sE numbers. Foundations of Physics, 1985, 15, 683-691.	1.3	6
43	Local currents in magnetic flux tubes and flux ropes. American Journal of Physics, 1993, 61, 811-817.	0.7	6
44	Connecting to the World: Christopher Alexanderâ€™s Tool for Human-Centered Design. She Ji, 2020, 6, 455-481.	1.0	6
45	Duality rotations and relativistic chargedâ€particle motions. American Journal of Physics, 1987, 55, 352-356.	0.7	5
46	Magnetohydrostatic equilibria and force-free states. Physica Scripta, 1991, 43, 316-322.	2.5	5
47	Fiber theory: evolution and disruption in the gaseous and dense Z-pinches. Physica Scripta, 1991, 43, 416-422.	2.5	5
48	Optimal current distribution for energy storage in superconducting magnets. Journal of Applied Physics, 1991, 69, 531-533.	2.5	5
49	Magnetic Force-Free Configurations for Thermonuclear Fusion.. Physics Essays, 1988, 1, 92-101.	0.4	5
50	Symmetry in architecture: Toward an overdue reassessment. Symmetry: Culture and Science, 2021, 32, 311-343.	0.1	5
51	Particle in an external electromagnetic field. Physical Review D, 1983, 28, 2473-2476.	4.7	4
52	INTELLECTUAL [DIS]HONESTY IN ARCHITECTURE. Journal of Architecture and Urbanism, 2014, 38, 187-191.	0.7	4
53	A simplified approach to pinch equilibrium. Plasma Physics and Controlled Fusion, 1992, 34, 191-202.	2.1	3
54	General construction of force-free current filaments. Physical Review A, 1992, 45, 8816-8819.	2.5	3

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55	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
56	Urbanism as Computation. , 2012, , 245-268.		3
57	Can Suboptimal Visual Environments Negatively Affect Childrenâ€™s Cognitive Development?. Challenges, 2021, 12, 28.	1.7	3
58	Force-free plasma currents driven by electromagnetic oscillations withEparallel toB. Physical Review A, 1992, 45, 8811-8815.	2.5	2
59	A Critical Comparison between Magnetic and Inertial Confinement Schemes and Their Geometries. Fusion Science and Technology, 1995, 27, 230-236.	0.6	2
60	Spontaneous Cities: Lessons to Improve Planning for Housing. Land, 2021, 10, 535.	2.9	2
61	A Classification of Magnetohydrodynamic Generators with Cylindrical Symmetry. Europhysics Letters, 1993, 24, 467-472.	2.0	1
62	Oscillation and Reconnection of Plasma Fibers in a Description of Tokamak Phenomena. Fusion Science and Technology, 1993, 23, 257-266.	0.6	1
63	Report on the International Symposium â€œEvaluation of Current Trends in Fusion Researchâ€• Journal of Fusion Energy, 1995, 14, 281-327.	1.2	1
64	Itâ€™s Time for World Architecture to Learn from Christopher Alexander: Discovering Humanityâ€™s Relationship with the Universe. She Ji, 2020, 6, 376-380.	1.0	1
65	Geospatial Analysis and Living Urban Geometry. Geospatial Technology and the Role of Location in Science, 2010, , 331-353.	0.5	1
66	â€œClifford Algebraic Symmetries in Physicsâ€• , 1986, , 467-470.		1
67	GUEST EDITORIAL: COMPLEXITY, PATTERNS, AND BIOPHILIA. Archnet-IJAR, 2014, 8, 5.	1.5	1
68	Fiber theory and cosmic plasmas. IEEE Transactions on Plasma Science, 1992, 20, 893-897.	1.3	0
69	Peer-to-Peer-Stadtplanung: Aus Erfahrung lernen Neuere Entwicklungen in der Stadtplanung. , 2014, , 508-515.		0
70	The Rise of the Architectural Cult. Inference, 2019, 5, .	0.0	0
71	On Theory and Practice. Inference, 2020, 5, .	0.0	0
72	Fractals and Christopher Alexanderâ€™s â€œFifteen Fundamental Properties. Conscious Cities Anthology, 2018, 2018, .	0.0	0