

Garuda Fujii

List of Publications by Year in descending order

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papers

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759055

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all docs

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docs citations

50
times ranked

219
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical unfeelability concentrator through topology optimization. Applied Physics Letters, 2022, 120, 011103.	1.5	5
2	Electromagnetic-acoustic biphysical cloak designed through topology optimization. Optics Express, 2022, 30, 6090.	1.7	11
3	Experimental demonstration of thermal cloaking metastructures designed by topology optimization. International Journal of Heat and Mass Transfer, 2022, 194, 123093.	2.5	13
4	Acoustic cloak designed by topology optimization for acoustic elastic coupled systems. Applied Physics Letters, 2021, 118, .	1.5	24
5	Cloaking an Object from Both Electromagnetic and Acoustic Waves via Topology Optimization. , 2021, , .		0
6	Topology optimization for acoustic cloaks working in multiple environments. The Proceedings of the Computational Mechanics Conference, 2021, 2021.34, 261.	0.0	0
7	Topology optimization for controlling thermal wave in macroscale. The Proceedings of the Computational Mechanics Conference, 2021, 2021.34, 243.	0.0	0
8	Topology optimization for biphysical cloaks in wave systems. The Proceedings of Design & Systems Conference, 2021, 2021.31, 2104.	0.0	0
9	Experimental demonstration of thermal metastructures designed by topology optimization. The Proceedings of Design & Systems Conference, 2021, 2021.31, 2107.	0.0	0
10	Cloaking a concentrator in thermal conduction via topology optimization. International Journal of Heat and Mass Transfer, 2020, 159, 120082.	2.5	58
11	dc electric cloak concentrator via topology optimization. Physical Review E, 2020, 102, 033308.	0.8	12
12	Topology Optimization for Meta-device: a Review. Journal of the Japan Society for Precision Engineering, 2020, 86, 395-399.	0.0	0
13	Topology-optimized thermal carpet cloak expressed by an immersed-boundary level-set method via a covariance matrix adaptation evolution strategy. International Journal of Heat and Mass Transfer, 2019, 137, 1312-1322.	2.5	52
14	Optimizing the structural topology of bifunctional invisible cloak manipulating heat flux and direct current. Applied Physics Letters, 2019, 115, .	1.5	66
15	DC carpet cloak designed by topology optimization based on covariance matrix adaptation evolution strategy. Optics Letters, 2019, 44, 2057.	1.7	10
16	Exploring optimal topology of thermal cloaks by CMA-ES. Applied Physics Letters, 2018, 112, .	1.5	75
17	CMA-ES-based structural topology optimization using a level set boundary expression Application to optical and carpet cloaks. Computer Methods in Applied Mechanics and Engineering, 2018, 332, 624-643.	3.4	46
18	Direct-current electric invisibility through topology optimization. Journal of Applied Physics, 2018, 123, .	1.1	16

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19	CMA-ES based topology optimization for acoustic cloak. Transactions of the JSME (in Japanese), 2018, 84, 17-00590-17-00590.	0.1	2
20	CMA-ES based topology optimization of cloaking devices for Laplace equation. The Proceedings of the Computational Mechanics Conference, 2018, 2018.31, 278.	0.0	0
21	Sparse CMA-ES considering interdependence between design variables for topology optimizations based on an immersed boundary-level set method. The Proceedings of Design & Systems Conference, 2018, 2018.28, 2313.	0.0	0
22	Optimum design of multi-layered film structure for controlling broadband and wide angle incident light between visible region to near infrared region. The Proceedings of Conference of Hokuriku-Shinetsu Branch, 2017, 2017.54, I012.	0.0	0
23	Optimum arrangement of solar panels to arbitrary shape site to maximize the amount of received light. The Proceedings of Conference of Hokuriku-Shinetsu Branch, 2017, 2017.54, I011.	0.0	0
24	CMA-ES based topology optimization and its developments. The Proceedings of Mechanical Engineering Congress Japan, 2017, 2017, F121002.	0.0	0
25	A study on robust design method for narrow band precision optical filter against temperature fluctuation. The Proceedings of Conference of Hokuriku-Shinetsu Branch, 2017, 2017.54, I033.	0.0	0
26	Generation of gait of walking robot based on the multi-objective optimization and determination of walking motion from the Pareto optimum solution set. The Proceedings of Conference of Hokuriku-Shinetsu Branch, 2017, 2017.54, I013.	0.0	0
27	Topology-optimized carpet cloaks based on a level-set boundary expression. Physical Review E, 2016, 94, 043301.	0.8	19
28	316 Study on Optimum Structural Design for Light Scattering Control using the FDTD Electromagnetic Field Analysis. The Proceedings of Conference of Hokuriku-Shinetsu Branch, 2016, 2016.53, _316-1_-_316-5_.	0.0	0
29	Topology optimization based on CMA-ES and application for optical devices. The Proceedings of the Computational Mechanics Conference, 2016, 2016.29, 4_292.	0.0	0
30	313 Study on Optical Properties of Polymer Materials to Control the Transmission Spectrum by the Multi-Layered Polymeric Film Structure. The Proceedings of Conference of Hokuriku-Shinetsu Branch, 2016, 2016.53, _313-1_-_313-4_.	0.0	0
31	Topology optimization for carpet cloaks by means of an evolutionary strategy. The Proceedings of Design & Systems Conference, 2016, 2016.26, 2311.	0.0	0
32	Optimal design of multi-layered optical polymer thin films structure for wide-angle incident solar light. The Proceedings of OPTIS, 2016, 2016.12, 1208.	0.0	0
33	317 A Study on Analysis and Visualization of Structural Color. The Proceedings of Conference of Hokuriku-Shinetsu Branch, 2016, 2016.53, _317-1_-_317-5_.	0.0	0
34	314 Multi-Objective Optimization for Acceleration and Deceleration Motion Generation of the Two-Legged Walking Robot. The Proceedings of Conference of Hokuriku-Shinetsu Branch, 2016, 2016.53, _314-1_-_314-5_.	0.0	0
35	Optimum walking operation corresponding to the specifications of the bipedal walking robot. The Proceedings of OPTIS, 2016, 2016.12, 2110.	0.0	0
36	315 Optimal Design and its Application to Heat Shield Curtain using Multi-Layered Polymer Film Structure. The Proceedings of Conference of Hokuriku-Shinetsu Branch, 2016, 2016.53, _315-1_-_315-5_.	0.0	0

#	ARTICLE	IF	CITATIONS
37	Topology-optimized multiple-disk resonators obtained using level set expression incorporating surface effects. Optics Express, 2015, 23, 11312.	1.7	7
38	Topology optimized design of carpet cloaks based on a level set approach. Proceedings of SPIE, , .	0.8	1
39	2106 Basic Study on the Design of Aluminum Rim for the Road Bike. The Proceedings of Design & Systems Conference, 2015, 2015.25, _2106-1_-_2106-4_.	0.0	0
40	3504 A Study on Gait Generation for Two-Legged Robot during Walking Motion Transition by Optimization Methods. The Proceedings of Design & Systems Conference, 2015, 2015.25, _3504-1_-_3504-6_.	0.0	0
41	2107 A study on the structural color of red-flanked blue tail by porous photonic crystal structures. The Proceedings of Design & Systems Conference, 2015, 2015.25, _2107-1_-_2107-5_.	0.0	0
42	2514 Three Dimensional Gait Generation of Two-Legged Robot using Multi-Objective Optimization Method. The Proceedings of Design & Systems Conference, 2015, 2015.25, _2514-1_-_2514-7_.	0.0	0
43	Numerical study on the structural color of blue birds by a disordered porous photonic crystal model. Europhysics Letters, 2014, 107, 34004.	0.7	4
44	Level set-based topology optimization for anti-reflection surface. Applied Physics A: Materials Science and Processing, 2014, 116, 921-927.	1.1	4
45	1A1-S02 Walking Pattern Generation of Two Legs Robot by using Optimization Method under Obstacle Environment(Walking Robot). The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2014, 2014, _1A1-S02_1-_1A1-S02_3_.	0.0	0
46	Topology Optimization for a Dielectric Optical Cloak Based on an Exact Level Set Approach. IEEE Transactions on Magnetics, 2013, 49, 2073-2076.	1.2	30
47	Level set based topology optimization for optical cloaks. Applied Physics Letters, 2013, 102, .	1.5	61
48	Study on transition from photonic-crystal laser to random laser. Optics Express, 2012, 20, 7300.	1.7	22
49	A study on the effect of filling factor for laser action in dielectric random media. Applied Physics A: Materials Science and Processing, 2012, 107, 35-42.	1.1	9
50	Study on Electric Intensity Dependency of Laser Action in Randomly Distributed Dielectric Rod. IEEJ Transactions on Electronics, Information and Systems, 2012, 132, 89-95.	0.1	0