

Daniel Franklin

List of Publications by Year in descending order

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32
papers

1,287
citations

489802

18
h-index

591227

27
g-index

32
all docs

32
docs citations

32
times ranked

2306
citing authors

#	ARTICLE	IF	CITATIONS
1	A Wireless Near-Infrared Spectroscopy Device for Flap Monitoring: Proof of Concept in a Porcine Musculocutaneous Flap Model. <i>Journal of Reconstructive Microsurgery</i> , 2022, 38, 096-105.	1.0	6
2	Bioresorbable Microdroplet Lasers as Injectable Systems for Transient Thermal Sensing and Modulation. <i>ACS Nano</i> , 2021, 15, 2327-2339.	7.3	20
3	Wireless, implantable catheter-type oximeter designed for cardiac oxygen saturation. <i>Science Advances</i> , 2021, 7, .	4.7	45
4	Soft, skin-interfaced sweat stickers for cystic fibrosis diagnosis and management. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	65
5	Biocompatible Light Guide-Assisted Wearable Devices for Enhanced UV Light Delivery in Deep Skin. <i>Advanced Functional Materials</i> , 2021, 31, 2100576.	7.8	26
6	Wireless multilateral devices for optogenetic studies of individual and social behaviors. <i>Nature Neuroscience</i> , 2021, 24, 1035-1045.	7.1	98
7	Self-assembled plasmonics for angle-independent structural color displays with actively addressed black states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13350-13358.	3.3	54
8	Transformable, Freestanding 3D Mesostructures Based on Transient Materials and Mechanical Interlocking. <i>Advanced Functional Materials</i> , 2019, 29, 1903181.	7.8	22
9	4D Electronic Systems: Transformable, Freestanding 3D Mesostructures Based on Transient Materials and Mechanical Interlocking (<i>Adv. Funct. Mater.</i> 40/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970277.	7.8	0
10	Resettable skin interfaced microfluidic sweat collection devices with chemesthetic hydration feedback. <i>Nature Communications</i> , 2019, 10, 5513.	5.8	74
11	High-Efficiency Broadband Mid-Infrared Flat Lens. <i>Advanced Optical Materials</i> , 2018, 6, 1800216.	3.6	9
12	Multi-spectral frequency selective mid-infrared microbolometers. <i>Optics Express</i> , 2018, 26, 32931.	1.7	13
13	Covert infrared image encoding through imprinted plasmonic cavities. <i>Light: Science and Applications</i> , 2018, 7, 93.	7.7	51
14	Adaptive Multispectral Infrared Camouflage. <i>ACS Photonics</i> , 2018, 5, 4513-4519.	3.2	134
15	44-Å: Large Area Multi-Layer Liquid Crystal Phase Modulators Enabled by Two-Photon Polymerization. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 585-588.	0.1	1
16	Drastic enhancement of photoelectrochemical water splitting performance over plasmonic Al@TiO ₂ heterostructured nanocavity arrays. <i>Nano Energy</i> , 2018, 51, 400-407.	8.2	64
17	Atomic Layer Deposition Tuning of Subwavelength Aluminum Grating for Angle-Insensitive Plasmonic Color. <i>ACS Applied Nano Materials</i> , 2018, 1, 5210-5216.	2.4	7
18	Broadband angle-independent antireflection coatings on nanostructured light trapping solar cells. <i>Physical Review Materials</i> , 2018, 2, .	0.9	6

#	ARTICLE	IF	CITATIONS
19	Superchiral light generation on achiral nanostructured surfaces. , 2018, , .		1
20	Cavity-induced hybrid plasmon excitation for perfect infrared absorption. Optics Letters, 2018, 43, 6001.	1.7	11
21	Actively addressed single pixel full-colour plasmonic display. Nature Communications, 2017, 8, 15209.	5.8	128
22	Dynamically tunable extraordinary light absorption in monolayer graphene. Physical Review B, 2017, 96, .	1.1	43
23	Two-photon polymerization enabled multi-layer liquid crystal phase modulator. Scientific Reports, 2017, 7, 16260.	1.6	18
24	Polarization-independent phase modulators enabled by two-photon polymerization. Optics Express, 2017, 25, 33688.	1.7	24
25	Full RGB Liquid Crystal-Tunable Plasmonic Color and TFT Integration. , 2017, , .		0
26	Unified Electromagnetic-Electronic Design of Light Trapping Silicon Solar Cells. Scientific Reports, 2016, 6, 31013.	1.6	23
27	Color changing plasmonic surfaces utilizing liquid crystal (Conference Presentation). , 2016, , .		0
28	Liquid Crystal Tunable Plasmonic Color. , 2015, , .		0
29	Polarization-independent actively tunable colour generation on imprinted plasmonic surfaces. Nature Communications, 2015, 6, 7337.	5.8	273
30	Hybrid Coupling Mechanism in a System Supporting High Order Diffraction, Plasmonic, and Cavity Resonances. Physical Review Letters, 2014, 113, 263902.	2.9	47
31	Negative Index Materials: Materials Selections and Growth Conditions for Large-Area, Multilayered, Visible Negative Index Metamaterials Formed by Nanotransfer Printing (Advanced Optical Materials) Tj ETQq1 1 0.784314 rgBT /Overl		
32	Materials Selections and Growth Conditions for Large-Area, Multilayered, Visible Negative Index Metamaterials Formed by Nanotransfer Printing. Advanced Optical Materials, 2014, 2, 256-261.	3.6	22