Dominic J Wales

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8950678/publications.pdf

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25	955	623574	642610
papers	citations	14 h-index	23 g-index

26	26	26	1858
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	3D Printability Assessment of Poly(octamethylene maleate (anhydride) citrate) and Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 5457-5470.	2.0	7
2	Gelâ€“Polymer Electrolytes Based on Poly(Ionic Liquid)/Ionic Liquid Networks. ACS Applied Polymer Materials, 2021, 3, 200-208.	2.0	30
3	Microfluidics at Fiber Tip for Nanoliter Delivery and Sampling. Advanced Science, 2021, 8, 2004643.	5.6	12
4	Decoupling manufacturing from application in additive manufactured antimicrobial materials. Biomaterials Science, 2021, 9, 5397-5406.	2.6	13
5	Fiberâ€Optic SERS Probes Fabricated Using Twoâ€Photon Polymerization For Rapid Detection of Bacteria. Advanced Optical Materials, 2020, 8, 1901934.	3.6	49
6	Induced neural stem cell differentiation on a drawn fiber scaffoldâ€”toward peripheral nerve regeneration. Biomedical Materials (Bristol), 2020, 15, 055011.	1.7	15
7	Optical spectroscopy for in vivo medical diagnosisâ€”a review of the state of the art and future perspectives. Progress in Biomedical Engineering, 2020, 2, 042001.	2.8	32
8	State-of-the-art and limitations in the life cycle assessment of ionic liquids. Journal of Cleaner Production, 2019, 217, 844-858.	4.6	55
9	Towards a Flexible/Stretchable Multiparametric Sensing Device for Surgical and Wearable Applications. , 2019, , .		11
10	Environmental performance of 3D-Printing polymerisable ionic liquids. Journal of Cleaner Production, 2019, 214, 29-40.	4.6	24
11	Towards development of fibre-optic surface enhanced Raman spectroscopy probes using 2-photon polymerisation for rapid detection of bacteria. , 2019, , .		2
12	Shining a light on the photo-sensitisation of organicâ€“inorganic hybrid polyoxometalates. Dalton Transactions, 2018, 47, 5120-5136.	1.6	66
13	Tunable Ionic Control of Polymeric Films for Inkjet Based 3D Printing. ACS Sustainable Chemistry and Engineering, 2018, 6, 3984-3991.	3.2	27
14	3Dâ€Printable Photochromic Molecular Materials for Reversible Information Storage. Advanced Materials, 2018, 30, e1800159.	11.1	75
15	Understanding the AC conductivity and permittivity of trapdoor chabazites for future development of next-generation gas sensors. Microporous and Mesoporous Materials, 2018, 260, 208-216.	2.2	11
16	Photochromic Materials: 3Dâ€Printable Photochromic Molecular Materials for Reversible Information Storage (Adv. Mater. 26/2018). Advanced Materials, 2018, 30, 1870193.	11.1	2
17	Investigating the Structure Directing Properties of Designer 1,8-Naphthalimide and Amphiphilic Sulfonate Anions and Their Fe^{III} Thiosemicarbazone Complexes. Crystal Growth and Design, 2017, 17, 5129-5144.	1.4	14
18	Surface-based molecular self-assembly: Langmuir-Blodgett films of amphiphilic Ln(III) complexes. Chemistry Central Journal, 2016, 10, 72.	2.6	19

#	Article	IF	Citations
19	An integrated optical Bragg grating refractometer for volatile organic compound detection. Sensors and Actuators B: Chemical, 2016, 232, 595-604.	4.0	13
20	Novel low energy hydrogenâ€“deuterium isotope breakthrough separation using a trapdoor zeolite. Chemical Engineering Journal, 2016, 288, 161-168.	6.6	30
21	Tracking a photo-switchable surface-localised supramolecular interaction via refractive index. Journal of Materials Chemistry C, 2016, 4, 1178-1185.	2.7	4
22	Gas sensing using porous materials for automotive applications. Chemical Society Reviews, 2015, 44, 4290-4321.	18.7	406
23	Monolayer detection of ion binding at a crown ether-functionalised supramolecular surface via an integrated optical Bragg grating. Analyst, The, 2014, 139, 2774-2782.	1.7	4
24	An investigation into relative humidity measurement using an aluminosilicate solâ€“gel thin film as the active layer in an integrated optical Bragg grating refractometer. Sensors and Actuators B: Chemical, 2013, 188, 857-866.	4.0	20
25	An investigation into dispersion upon switching between solvents within a microfluidic system using a chemically resistant integrated optical refractive index sensor. Lab on A Chip, 2013, 13, 377-385.	3.1	14