Suzanne Martin

List of Publications by Year in Descending Order

50 papers	779 citations	16 h-index	26 g-index
66 ext. papers	933 ext. citations	3 avg, IF	3.82 L-index

#	Paper	IF	Citations
50	Development and Testing of a Dual-Wavelength Sensitive Photopolymer Layer for Applications in Stacking of HOE Lenses. *Applied Sciences (Switzerland)*, **2021**, 11, 5564	2.6	2
49	Temperature-Sensitive Holograms with Switchable Memory. *Advanced Photonics Research*, **2021**, 2, 2100062	3.9	0
48	Study of the Effect of Methyldiethanolamine Initiator on the Recording Properties of Acrylamide Based Photopolymer. *Polymers*, **2020**, 12,	4.5	2
47	Stacked volume holographic gratings for extending the operational wavelength range in LED and solar applications. *Applied Optics*, **2020**, 59, 2569-2579	1.7	4
46	Holographic beam-shaping diffractive diffusers fabricated by using controlled laser speckle. *Optics Express*, **2018**, 26, 8916-8922	3.3	5
45	Self-processing photopolymer materials for versatile design and fabrication of holographic sensors and interactive holograms. *Applied Optics*, **2018**, 57, E173-E183	1.7	17
44	Serialized holography for brand protection and authentication. *Applied Optics*, **2018**, 57, E131-E137	1.7	13
43	LTL type nanozeolites utilized in surface photonics structures for environmental sensors. *Microporous and Mesoporous Materials*, **2018**, 261, 268-274	5.3	10
42	Development of a photopolymer holographic lens for collimation of light from a green light-emitting diode. *Applied Optics*, **2018**, 57, E163-E172	1.7	7
41	Development and testing of low spatial frequency holographic concentrator elements for collection of solar energy. *Solar Energy*, **2017**, 155, 103-109	6.8	13
40	Humidity and temperature induced changes in the diffraction efficiency and the Bragg angle of slanted photopolymer-based holographic gratings. *Sensors and Actuators B: Chemical*, **2017**, 239, 776-785	8.5	16
39	Holographically Recorded Low Spatial Frequency Volume Bragg Gratings and Holographic Optical Elements **2017**,		4
38	N-isopropylacrylamide-based photopolymer for holographic recording of thermosensitive transmission and reflection gratings. *Applied Optics*, **2017**, 56, 6348-6356	1.7	13
37	Color-Selective 2.5D Holograms on Large-Area Flexible Substrates for Sensing and Multilevel Security. *Advanced Optical Materials*, **2016**, 4, 1589-1600	8.1	38
36	Photonic Materials for Holographic Sensing. *Springer Series in Materials Science*, **2016**, 315-359	0.9	7
35	Recording of high efficiency volume Bragg gratings in a photopolymer using diffraction from very weak pre-recorded gratings. *Optical Data Processing and Storage*, **2016**, 2,		1
34	Hybrid Sensors Fabricated by Inkjet Printing and Holographic Patterning. *Chemistry of Materials*, **2015**, 27, 6097-6101	9.6	28

33	Humidity and temperature response of photopolymer-based holographic gratings **2015**,		1
32	Investigation of the sensitivity to humidity of an acrylamide-based photopolymer containing N-phenylglycine as a photoinitiator. *Optical Materials*, **2014**, 37, 810-815	3.3	16
31	Diffractive Optical Elements with a Large Angle of Operation Recorded in Acrylamide Based Photopolymer on Flexible Substrates. *International Journal of Polymer Science*, **2014**, 2014, 1-7	2.4	9
30	Using acrylamide-based photopolymers for fabrication of holographic optical elements in solar energy applications. *Applied Optics*, **2014**, 53, 1343-53	1.7	53
29	Humidity and temperature effect on properties of transmission gratings recorded in PVA/AA-based photopolymer layers. *Journal of Optics (United Kingdom)*, **2013**, 15, 105301	1.7	27
28	Research on Holographic Sensors and Novel Photopolymers at the Centre for Industrial and Engineering Optics **2013**,		1
27	Monomer diffusion rates in photopolymer material Part I Low spatial frequency holographic gratings: comment. *Journal of the Optical Society of America B: Optical Physics*, **2012**, 29, 458	1.7	
26	Development of a panchromatic acrylamide-based photopolymer for multicolor reflection holography. *Applied Optics*, **2010**, 49, 1400-5	0.2	16
25	Determination of threshold exposure and intensity for recording holograms in thick green-sensitive acrylamide-based photopolymer. *Applied Optics*, **2010**, 49, 5276-83	0.2	3
24	Two-way diffusion model for short-exposure holographic grating formation in acrylamide-based photopolymer. *Journal of the Optical Society of America B: Optical Physics*, **2010**, 27, 197	1.7	51
23	Fabrication of switchable liquid crystal devices using surface relief gratings in photopolymer. *Journal of Materials Science: Materials in Electronics*, **2009**, 20, 198-201	2.1	1
22	Characterisation of the humidity and temperature responses of a reflection hologram recorded in acrylamide-based photopolymer. *Sensors and Actuators B: Chemical*, **2009**, 139, 35-38	8.5	55
21	Holographic recording in acrylamide photopolymers: thickness limitations. *Applied Optics*, **2009**, 48, 2642-8	3.2	6
20	Multipoint laser Doppler vibrometry using holographic optical elements and a CMOS digital camera. *Optics Letters*, **2008**, 33, 330-2	3	16
19	Technique for characterization of dimensional changes in slanted holographic gratings by monitoring the angular selectivity profile. *Optics Letters*, **2008**, 33, 1981-3	3	11
18	Raman spectroscopy for the characterization of the polymerization rate in an acrylamide-based photopolymer. *Applied Optics*, **2008**, 47, 206-12	1.7	23
17	Method for characterization of diffusion properties of photopolymerisable systems. *Optics Express*, **2008**, 16, 8487-97	3.3	23
16	A visual indication of environmental humidity using a color changing hologram recorded in a self-developing photopolymer. *Applied Physics Letters*, **2008**, 92, 031109	3.4	80

15	Electro-optical switching of liquid crystal diffraction gratings by using surface relief effect in the photopolymer. *Optics Communications*, **2007**, 273, 367-369	2	14
14	Acrylamide-based photopolymer for microholographic data storage. *Optical Materials*, **2006**, 28, 1329-1333	33	35
13	Replay at optical communications wavelengths of holographic gratings recorded in the visible **2006**, 6252, 31		0
12	Compact electronic speckle pattern interferometer using a near infrared diode laser and a reflection holographic optical element. *Journal of Optics*, **2006**, 8, 182-188		5
11	Two way diffusion model for the recording mechanism in a self developing dry acrylamide photopolymer **2006**,		3
10	Photopolymer diffractive optical elements in electronic speckle pattern shearing interferometry. *Optics and Lasers in Engineering*, **2006**, 44, 965-974	4.6	9
9	Investigation of polymerization rate in an acrylamide-based photopolymer using Raman spectroscopy **2005**, 5826, 75		2
8	Simple electronic speckle pattern shearing interferometer with a holographic grating as a shearing element **2005**, 5962, 669		1
7	Characterization of an acrylamide-based photopolymer for data storage utilizing holographic angular multiplexing. *Journal of Optics*, **2005**, 7, 255-260		34
6	Electronic speckle pattern shearing interferometer with a photopolymer holographic grating. *Applied Optics*, **2004**, 43, 2439-42	1.7	17
5	Investigation of the diffusion processes in a self-processing acrylamide-based photopolymer system. *Applied Optics*, **2004**, 43, 2900-5	1.7	59
4	Holographic optical elements for combined holographic and digital speckle pattern interferometry **2003**, 4933, 239		
3	Spectroscopic study of food and food toxins **2003**,		3
2	Holographically recorded photopolymer diffractive optical element for holographic and electronic speckle-pattern interferometry. *Applied Optics*, **2002**, 41, 7475-9	1.7	18
1	Applications of a self-developing photopolymer material: holographic interferometry and high-efficiency diffractive optical elements **1998**,		3