

# Begona Hernandez

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

345  
citations

840119

11  
h-index

794141

19  
g-index

26  
all docs

26  
docs citations

26  
times ranked

431  
citing authors

#	ARTICLE	IF	CITATIONS
1	Colour stability of beef from different Spanish native cattle breeds stored under vacuum and modified atmosphere. <i>Meat Science</i> , 1999, 53, 241-249.	2.7	89
2	CIELAB color paths during meat shelf life. <i>Meat Science</i> , 2019, 157, 107889.	2.7	63
3	CIELAB color coordinates versus relative proportions of myoglobin redox forms in the description of fresh meat appearance. <i>Journal of Food Science and Technology</i> , 2016, 53, 4159-4167.	1.4	35
4	Assessing the color of red wine like a taster's eye. <i>Color Research and Application</i> , 2009, 34, 153-162.	0.8	18
5	Measurement of the colour of white and ros� wines in visual tasting conditions. <i>European Food Research and Technology</i> , 2009, 229, 263-276.	1.6	15
6	Field and Poynting vectors of homogeneous waves in uniaxial and absorbing dielectric media. <i>Journal of Modern Optics</i> , 2002, 49, 1553-1566.	0.6	14
7	Meat color in retail displays with fluorescent illumination. <i>Color Research and Application</i> , 2005, 30, 304-311.	0.8	14
8	Complex unitary vectors for the direction of propagation and for the polarization of electromagnetic waves in absorbing isotropic media. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2004, 21, 1776.	0.8	12
9	Complex unitary vectors for the direction of propagation and for the polarization of electromagnetic waves in uniaxial and absorbing dielectric media. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007, 24, 1767.	0.8	12
10	A multispectral imaging technique to determine concentration profiles of myoglobin derivatives during meat oxygenation. <i>European Food Research and Technology</i> , 2008, 227, 1329-1338.	1.6	12
11	MEASURING MUSCLE COLOR IN BEEF USING AN INSTRUMENTAL METHOD VERSUS VISUAL COLOR SCALES. <i>Journal of Muscle Foods</i> , 2008, 19, 209-221.	0.5	11
12	Veal colour assessment with three wavelengths. <i>Meat Science</i> , 1996, 44, 113-123.	2.7	10
13	Comparison between two different methods to obtain the proportions of myoglobin redox forms on fresh meat from reflectance measurements. <i>Journal of Food Science and Technology</i> , 2015, 52, 8212-8219.	1.4	10
14	Interface between transparent isotropic and uniaxial absorbing dielectric media: equations for ray tracing and for the direction of propagation. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2008, 25, 2476.	0.8	8
15	Design and performance of a color chart based in digitally processed images for sensory evaluation of piquillo peppers ( <i>Capsicum annuum</i> ). <i>Color Research and Application</i> , 2004, 29, 305-311.	0.8	5
16	Influence of absorption on the anomalous negative refraction in right-handed uniaxial absorbing dielectric media. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2010, 27, 1938.	0.8	5
17	Uniaxial absorbing media: conditions for refraction in the direction of the optical axis. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2013, 30, 385.	0.8	3
18	Negative reflection in absorbing uniaxial media. Rutile TiO 2. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 2278-2282.	0.9	3

#	ARTICLE	IF	CITATIONS
19	Conditions for the concurrent refraction of the ordinary and extraordinary rays along the optical axis in absorbing uniaxial media. <i>Optik</i> , 2015, 126, 536-540.	1.4	2
20	General expressions for the refractive indices of absorbing biaxial media as a function of the angle of incidence. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015, 32, 228.	0.8	2
21	Colour differences among carcasses graded with similar score for conformation and fatness. <i>Animal</i> , 2008, 2, 1093-1100.	1.3	1
22	Negative reflection, negative refraction and ray displacements in biaxial absorbing media, <i>In4Se3. Waves in Random and Complex Media</i> , 2019, , 1-10.	1.6	1
23	Field vectors corresponding to complex directions of propagation. , 2003, , .		0
24	Multispectral imaging determination of pigment concentration profiles in meat. , 2006, 6062, 10.		0
25	The Number of Linearly Independent Vectors in Spectral Databases. <i>Lecture Notes in Computer Science</i> , 2009, , 570-579.	1.0	0
26	Luminance calibration of a full sky HDR imaging system using sky scanner measurements. <i>Solar Energy</i> , 2022, 239, 147-169.	2.9	0