

Carla C Schmitt

List of Publications by Year in descending order

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78
papers

2,069
citations

257450

24
h-index

254184

43
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79
all docs

79
docs citations

79
times ranked

2630
citing authors

#	ARTICLE	IF	CITATIONS
1	Molar extinction coefficients and the photon absorption efficiency of dental photoinitiators and light curing units. <i>Journal of Dentistry</i> , 2005, 33, 525-532.	4.1	204
2	The initiating radical yields and the efficiency of polymerization for various dental photoinitiators excited by different light curing units. <i>Dental Materials</i> , 2006, 22, 576-584.	3.5	144
3	Influence of the Layer Charge and Clay Particle Size on the Interactions between the Cationic Dye Methylene Blue and Clays in an Aqueous Suspension. <i>Journal of Colloid and Interface Science</i> , 2002, 255, 254-259.	9.4	120
4	Time-Dependent Spectrophotometric Study of the Interaction of Basic Dyes with Clays. I. Methylene Blue and Neutral Red on Montmorillonite and Hectorite. <i>Langmuir</i> , 1994, 10, 3749-3753.	3.5	96
5	Photophysics of π -Conjugated Metal-Organic Oligomers: π -Aryleneethynyls that Contain the (bpy)Re(CO) ₃ Cl Chromophore. <i>Journal of the American Chemical Society</i> , 2001, 123, 8329-8342.	13.7	88
6	Effect of sonication on the particle size of montmorillonite clays. <i>Journal of Colloid and Interface Science</i> , 2008, 325, 386-390.	9.4	78
7	Photochemical synthesis of silver nanoparticles on chitosans/montmorillonite nanocomposite films and antibacterial activity. <i>Carbohydrate Polymers</i> , 2017, 171, 202-210.	10.2	77
8	Structural features of lignin obtained at different alkaline oxidation conditions from sugarcane bagasse. <i>Industrial Crops and Products</i> , 2012, 35, 61-69.	5.2	71
9	Photophysical studies on the interaction of two water-soluble porphyrins with bovine serum albumin. Effects upon the porphyrin triplet state characteristics. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998, 114, 201-207.	3.9	67
10	Self-assembled amphiphilic chitosan nanoparticles for quercetin delivery to breast cancer cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 131, 203-210.	4.3	58
11	Photolithographically-Patterned Electroactive Films and Electrochemically Modulated Diffraction Gratings. <i>Langmuir</i> , 2000, 16, 795-810.	3.5	49
12	Synergistic effect of quercetin and pH-responsive DEAE-chitosan carriers as drug delivery system for breast cancer treatment. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 579-586.	7.5	48
13	Time-Dependent Spectrophotometric Study of the Interaction of Basic Dyes with Clays II: Thionine on Natural and Synthetic Montmorillonites and Hectorites. <i>Journal of Colloid and Interface Science</i> , 1996, 177, 495-501.	9.4	45
14	The Effect of Added Salt on the Aggregation of Clay Particles. <i>Journal of Colloid and Interface Science</i> , 2000, 226, 205-209.	9.4	45
15	The influence of the photophysics of 2-substituted thioxanones on their activity as photoinitiators. <i>Polymer</i> , 2002, 43, 3909-3913.	3.8	40
16	Dependence of the thioxanthone triplet-triplet absorption spectrum with solvent polarity and aromatic ring substitution. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 905-909.	0.6	40
17	Polymerization kinetics and reactivity of alternative initiators systems for use in light-activated dental resins. <i>Dental Materials</i> , 2012, 28, 1199-1206.	3.5	39
18	A fluorescence study of the interactions between sodium alginate and surfactants. <i>Carbohydrate Research</i> , 2003, 338, 1109-1113.	2.3	38

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19	The photophysical determination of the minimum hydrotrope concentration of aromatic hydrotropes. <i>Journal of Colloid and Interface Science</i> , 2007, 315, 810-813.	9.4	38
20	Syntheses and characterization of amphiphilic quaternary ammonium chitosan derivatives. <i>Carbohydrate Polymers</i> , 2016, 147, 97-103.	10.2	37
21	Polymerization of HEMA photoinitiated by the Safranin/diphenylborinate system. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 252, 124-130.	3.9	34
22	Thermal properties of poly (methyl methacrylate)/organomodified montmorillonite nanocomposites obtained by in situ photopolymerization. <i>Materials Research</i> , 2014, 17, 265-270.	1.3	32
23	The UV/H ₂ O ₂ - photodegradation of poly(ethyleneglycol) and model compounds. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1467-1472.	0.6	30
24	Chitosan- κ -laponite nanocomposite scaffolds for wound dressing application. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 1388-1397.	3.4	30
25	Interações entre corantes e argilas em suspensão aquosa. <i>Química Nova</i> , 2000, 23, 818-824.	0.3	25
26	The effect of the mixtures of photoinitiators in polymerization efficiencies. <i>Journal of Applied Polymer Science</i> , 2009, 112, 129-134.	2.6	20
27	Interaction of Auramine O with montmorillonite clays. <i>Journal of Luminescence</i> , 2013, 136, 63-67.	3.1	20
28	Photochemical Deposition of Silver Nanoparticles on Clays and Exploring Their Antibacterial Activity. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21640-21647.	8.0	20
29	Self-aggregated nanoparticles of <i>N</i> -dodecyl, <i>N</i> -glycidyl(chitosan) as pH-responsive drug delivery systems for quercetin. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45678.	2.6	20
30	Photoreduction of resazurin in the presence of aliphatic amines. <i>Dyes and Pigments</i> , 1996, 32, 93-99.	3.7	19
31	Photophysical Behavior of Isocyanine/Clay Hybrids in the Solid State. <i>Langmuir</i> , 2017, 33, 891-899.	3.5	17
32	Laponite RD/polystyrenesulfonate nanocomposites obtained by photopolymerization. <i>Applied Clay Science</i> , 2011, 53, 27-32.	5.2	16
33	Photophysics of Auramine O adsorbed on solid clays. <i>Journal of Luminescence</i> , 2015, 161, 209-213.	3.1	16
34	Determination of Hypochlorite in Bleaching Products with Flower Extracts To Demonstrate the Principles of Flow Injection Analysis. <i>Journal of Chemical Education</i> , 2005, 82, 1815.	2.3	15
35	Unusual 1,6-diphenyl-1,3,5-hexatriene (DPH) spectrophotometric behavior in water/ethanol and water/DMSO mixtures. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 1497-1502.	0.6	15
36	Photophysics and Photoredox Properties of the Tungsten Carbonyl Complex Cp{P(OPh) ₃ }(CO)W ⁺ @CPh. <i>Inorganic Chemistry</i> , 1999, 38, 3254-3257.	4.0	14

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37	A fluorescence emission study of the formation of induced premicelles in solutions of polyelectrolytes and ionic surfactants. <i>Journal of Colloid and Interface Science</i> , 2003, 264, 490-495.	9.4	13
38	The relation between the polymerization rates and swelling coefficients for copolymers obtained by photoinitiation. <i>Polymer Testing</i> , 2007, 26, 189-194.	4.8	13
39	A novel biopolymeric photoinitiator based on chitosan and thioxanthone derivative: Synthesis, characterization and efficiency in photopolymerization. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 327, 15-20.	3.9	13
40	Synthesis of cobalt(II)- λ^5 -diimines complexes and their activity as mediators in organometallic mediated radical polymerization of vinyl acetate. <i>Inorganica Chimica Acta</i> , 2018, 471, 620-629.	2.4	13
41	Photophysical Study of the Interactions of Charged Copolymers with Surfactants of Opposite Charge. <i>Langmuir</i> , 2001, 17, 3486-3490.	3.5	12
42	Study of ionically conducting nanocomposites for reflective electrochromic devices. <i>Electrochimica Acta</i> , 2019, 301, 174-182.	5.2	12
43	The photoinitiation of MMA polymerization in the presence of iron complexes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 159, 145-150.	3.9	11
44	Preparation of substituted ionic carbohydrate polymers and their interactions with ionic surfactants. <i>Colloid and Polymer Science</i> , 2004, 283, 33-40.	2.1	11
45	The mechanism of the photoinitiation of methyl methacrylate polymerization by the neutral red/triethylamine system. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 174, 239-245.	3.9	11
46	Thermal decomposition of copolymers used in dental resins formulations photocured by ultra blue IS. <i>Journal of Applied Polymer Science</i> , 2007, 105, 3295-3300.	2.6	11
47	Photochemistry of Tetraphenyldiboroxane and its Use as Photopolymerization Coinitiator,. <i>Photochemistry and Photobiology</i> , 2013, 89, 1362-1367.	2.5	11
48	Influence of clay minerals on curcumin properties: Stability and singlet oxygen generation. <i>Journal of Molecular Structure</i> , 2017, 1143, 1-7.	3.6	11
49	Phototransients of 2-ethylaminodiphenylborinate generated by direct photolysis and photosensitization. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 236, 14-20.	3.9	10
50	Photodegradation of poly(ethyleneoxide)/montmorillonite composite films. <i>Journal of Applied Polymer Science</i> , 2013, 127, 3687-3692.	2.6	10
51	Effect of the loading of organomodified clays on the thermal and mechanical properties of a model dental resin. <i>Materials Research</i> , 2016, 19, 40-44.	1.3	10
52	Chemical and pharmacological analysis of the crude aqueous/alcoholic extract from <i>Cordyline dracaenoides</i> . <i>Phytotherapy Research</i> , 1990, 4, 167-171.	5.8	9
53	The photopolymerization of styrenesulfonate initiated by dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 175, 15-21.	3.9	9
54	Photo-fenton degradation of poly(Ethyleneglycol). <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 540-545.	0.6	9

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55	Organomontmorillonite/poly(methyl methacrylate) nanocomposites prepared by in situ photopolymerization. Effect of the organoclay on the photooxidative degradation. Applied Clay Science, 2013, 85, 19-24.	5.2	9
56	Effect of ground state association on the photoreduction of basic dyes by anionic N-phenylglycines and its neutral esters. Journal of Photochemistry and Photobiology A: Chemistry, 1988, 45, 355-360.	3.9	8
57	The Effect of Monomer Aggregation in the Photopolymerization of Styrenesulfonate. Journal of Physical Chemistry B, 2001, 105, 2939-2944.	2.6	8
58	Determinação de nitrito em águas utilizando extrato de flores. Química Nova, 2006, 29, 1114-1120.	0.3	8
59	Preparation, Characterization and Photostability of Nanocomposite Films Based on Poly(acrylic acid) and Montmorillonite. Materials Research, 2018, 21, .	1.3	8
60	The use of magnesium silicate (talc) in a potentiometric sensor for hydrogen ions. Applied Clay Science, 2003, 23, 323-328.	5.2	7
61	The effect of using mixed initiator systems on the efficiency of photopolymerization of dental resins. Journal of the Brazilian Chemical Society, 2008, 19, 1413-1417.	0.6	6
62	Photochemical Synthesis of Gold Nanoparticles by Irradiation of Gold Chloride with the 2nd Harmonic of a Nd:YAG Laser. Journal of the Brazilian Chemical Society, 2019, , 813-818.	0.6	6
63	The hydrotropic effect on the photopolymerization of styrenesulfonate initiated by Ru complexes. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 188, 329-333.	3.9	5
64	Thioxanthone sensitized photodegradation of poly(alkyl methacrylate) films. Journal of Applied Polymer Science, 2010, 115, 1283-1288.	2.6	5
65	The photoinitiated copolymerization of styrenesulfonate with methacrylate monomers in hydrotropic medium. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 184, 335-339.	3.9	4
66	Evaluation of the light polymerization efficiency of copolymers used in dental formulations by differential scanning calorimetry. Journal of Applied Polymer Science, 2008, 107, 187-192.	2.6	4
67	Tryptophan photooxidation promoted by new hybrid materials prepared by condensation of naphthalene imides with silicate by the sol-gel process. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 208, 36-41.	3.9	4
68	Thermal Decomposition of Polymer/Montmorillonite Nanocomposites Synthesized <i>in situ</i> on a Clay Surface. Journal of the Brazilian Chemical Society, 2015, , .	0.6	4
69	Behaviour of Pseudoisocyanine in Macromolecular and Hydrotropic Solutions. Journal of the Brazilian Chemical Society, 2014, , .	0.6	4
70	Evaluation of postpolymerization as a function of the storage time of triethylene glycol dimethacrylate/2,2-bis[4-(2-hydroxyethyl methacryloxy)propyl]propane bisphenyl glycidyl ether dimethacrylate copolymers used in dental resins by differential scanning calorimetry and dynamic mechanical analysis. Journal of Applied Polymer Science, 2009, 112, 679-684.	2.6	3
71	Properties and Characterization of Organoclay/Dimethacrylate Composites Obtained by In Situ Photopolymerization. Macromolecular Symposia, 2010, 298, 138-144.	0.7	2
72	DFT, spectroscopic, and photoproduct study of 2-aminoethyldiphenylborinate and tetraphenyldiboroxane. Journal of Organometallic Chemistry, 2014, 755, 125-133.	1.8	2

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73	Influência de estabilizantes na degradação foto-oxidativa de filmes de compósitos de SWy-1/poli(óxido) Tj ETQg1 1 0.784314 rgB	0.7	2
74	Photochemical Synthesis of Ag and Au Nanoparticles Using a Thioxanthone Substituted Chitosan as Simultaneous Photoinitiator and Stabilizer. Journal of the Brazilian Chemical Society, 0, , .	0.6	2
75	Photooxidative degradation of QTX (a thioxanthone derivative). Journal of the Brazilian Chemical Society, 2011, 22, 217-222.	0.6	2
76	3D printing of natural organic materials by photochemistry. Proceedings of SPIE, 2016, , .	0.8	1
77	Influence of the Photoinitiator Concentration on the Mechanical and Optical Properties of Dental Resins. Materials Research, 2021, 24, .	1.3	1
78	Experimental and theoretical study of three newly-synthesized iminochalcones: An example of dual emission induced by polarity changes. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 426, 113725.	3.9	0