

# 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  
g-index

79  
all docs

79  
docs citations

79  
times ranked

2630  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Experimental and theoretical study of three newly-synthesized iminochalcons: An example of dual emission induced by polarity changes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 426, 113725.                | 3.9  | 0         |
| 2  | Influence of the Photoinitiator Concentration on the Mechanical and Optical Properties of Dental Resins. <i>Materials Research</i> , 2021, 24, .   | 1.3  | 1         |
| 3  | Chitosan- $\kappa$ -aponite nanocomposite scaffolds for wound dressing application. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 1388-1397.  | 3.4  | 30        |
| 4  | Study of ionically conducting nanocomposites for reflective electrochromic devices. <i>Electrochimica Acta</i> , 2019, 301, 174-182.   | 5.2  | 12        |
| 5  | Photochemical Synthesis of Gold Nanoparticles by Irradiation of Gold Chloride with the 2nd Harmonic of a Nd:YAG Laser. <i>Journal of the Brazilian Chemical Society</i> , 2019, , 813-818.   | 0.6  | 6         |
| 6  | Self- $\kappa$ -aggregated nanoparticles of $\kappa$ -dodecyl, $\kappa$ -glycidyl(chitosan) as pH- $\kappa$ -responsive drug delivery systems for quercetin. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45678.               | 2.6  | 20        |
| 7  | 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        |
| 8  | Preparation, Characterization and Photostability of Nanocomposite Films Based on Poly(acrylic acid) and Montmorillonite. <i>Materials Research</i> , 2018, 21, .   | 1.3  | 8         |
| 9  | 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        |
| 10 | Synthesis of cobalt(II)- $\kappa$ -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        |
| 11 | Photophysical Behavior of Isocyanine/Clay Hybrids in the Solid State. <i>Langmuir</i> , 2017, 33, 891-899.   | 3.5  | 17        |
| 12 | 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        |
| 13 | Photochemical synthesis of silver nanoparticles on chitosans/montmorillonite nanocomposite films and antibacterial activity. <i>Carbohydrate Polymers</i> , 2017, 171, 202-210.  | 10.2 | 77        |
| 14 | 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        |
| 15 | Syntheses and characterization of amphiphilic quaternary ammonium chitosan derivatives. <i>Carbohydrate Polymers</i> , 2016, 147, 97-103.  | 10.2 | 37        |
| 16 | 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        |
| 17 | Photochemical Deposition of Silver Nanoparticles on Clays and Exploring Their Antibacterial Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 21640-21647.  | 8.0  | 20        |
| 18 | 3D printing of natural organic materials by photochemistry. <i>Proceedings of SPIE</i> , 2016, , .   | 0.8  | 1         |

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|----|--|-----|-----------|
| 19 | 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         |
| 20 | Influência de estabilizantes na degradação foto-oxidativa de filmes de compósitos de SWy-1/poli(óxido) Tj ETQg0 0 0 rgBT /Overlo   | 0.7 | 2         |
| 21 | Photophysics of Auramine O adsorbed on solid clays. Journal of Luminescence, 2015, 161, 209-213.   | 3.1 | 16        |
| 22 | Thermal properties of poly (methyl methacrylate)/organomodified montmorillonite nanocomposites obtained by in situ photopolymerization. Materials Research, 2014, 17, 265-270.                             | 1.3 | 32        |
| 23 | DFT, spectroscopic, and photoproduct study of 2-aminoethyldiphenylborinate and tetraphenyldiboroxane. Journal of Organometallic Chemistry, 2014, 755, 125-133.   | 1.8 | 2         |
| 24 | Behaviour of Pseudoisocyanine in Macromolecular and Hydrotropic Solutions. Journal of the Brazilian Chemical Society, 2014, , .  | 0.6 | 4         |
| 25 | Photodegradation of poly(ethyleneoxide)/montmorillonite composite films. Journal of Applied Polymer Science, 2013, 127, 3687-3692.   | 2.6 | 10        |
| 26 | Polymerization of HEMA photoinitiated by the Safranin/diphenylborinate system. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 252, 124-130.  | 3.9 | 34        |
| 27 | 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         |
| 28 | Interaction of Auramine O with montmorillonite clays. Journal of Luminescence, 2013, 136, 63-67.   | 3.1 | 20        |
| 29 | Photochemistry of Tetraphenyldiboroxane and its Use as Photopolymerization Coinitiator,. Photochemistry and Photobiology, 2013, 89, 1362-1367.   | 2.5 | 11        |
| 30 | Polymerization kinetics and reactivity of alternative initiators systems for use in light-activated dental resins. Dental Materials, 2012, 28, 1199-1206.  | 3.5 | 39        |
| 31 | Structural features of lignin obtained at different alkaline oxidation conditions from sugarcane bagasse. Industrial Crops and Products, 2012, 35, 61-69.  | 5.2 | 71        |
| 32 | Phototransients of 2-ethylaminodiphenylborinate generated by direct photolysis and photosensitization. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 236, 14-20.                          | 3.9 | 10        |
| 33 | Laponite RD/polystyrenesulfonate nanocomposites obtained by photopolymerization. Applied Clay Science, 2011, 53, 27-32.  | 5.2 | 16        |
| 34 | Photo-fenton degradation of poly(Ethyleneglycol). Journal of the Brazilian Chemical Society, 2011, 22, 540-545.  | 0.6 | 9         |
| 35 | Photooxidative degradation of QTX (a thioxanthone derivative). Journal of the Brazilian Chemical Society, 2011, 22, 217-222.   | 0.6 | 2         |
| 36 | Thioxanthone sensitized photodegradation of poly(alkyl methacrylate) films. Journal of Applied Polymer Science, 2010, 115, 1283-1288.  | 2.6 | 5         |

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|----|--|-----|-----------|
| 37 | 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        |
| 38 | Properties and Characterization of Organoclay/Dimethacrylate Composites Obtained by In Situ Photopolymerization. <i>Macromolecular Symposia</i> , 2010, 298, 138-144.  | 0.7 | 2         |
| 39 | The UV/H <sub>2</sub> O <sub>2</sub> - photodegradation of poly(ethyleneglycol) and model compounds. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1467-1472.   | 0.6 | 30        |
| 40 | The effect of the mixtures of photoinitiators in polymerization efficiencies. <i>Journal of Applied Polymer Science</i> , 2009, 112, 129-134.  | 2.6 | 20        |
| 41 | Evaluation of postpolymerization as a function of the storage time of triethylene glycol dimethacrylate/2,2-bis[4-(2-hydroxy-3-methacryloxypropyl)phenyl]propane bisphenylglycidyl ether dimethacrylate copolymers used in dental resins by differential scanning calorimetry and dynamic mechanical analysis. <i>Journal of Applied Polymer Science</i> , 2009, 112, 679-684. | 2.6 | 3         |
| 42 | Tryptophan photooxidation promoted by new hybrid materials prepared by condensation of naphthalene imides with silicate by the sol-gel process. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 208, 36-41.   | 3.9 | 4         |
| 43 | Evaluation of the light polymerization efficiency of copolymers used in dental formulations by differential scanning calorimetry. <i>Journal of Applied Polymer Science</i> , 2008, 107, 187-192.  | 2.6 | 4         |
| 44 | 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        |
| 45 | The effect of using mixed initiator systems on the efficiency of photopolymerization of dental resins. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 1413-1417.   | 0.6 | 6         |
| 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 | 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        |
| 48 | The hydrotrope effect on the photopolymerization of styrenesulfonate initiated by Ru complexes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 188, 329-333.   | 3.9 | 5         |
| 49 | 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        |
| 50 | 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        |
| 51 | Determinação de nitrito em águas utilizando extrato de flores. <i>Quimica Nova</i> , 2006, 29, 1114-1120.  | 0.3 | 8         |
| 52 | The photoinitiated copolymerization of styrenesulfonate with methacrylate monomers in hydrotropic medium. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 184, 335-339.   | 3.9 | 4         |
| 53 | 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       |
| 54 | 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        |

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|----|--|------|-----------|
| 55 | The photopolymerization of styrenesulfonate initiated by dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 175, 15-21.  | 3.9  | 9         |
| 56 | 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        |
| 57 | 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       |
| 58 | 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        |
| 59 | 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        |
| 60 | 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        |
| 61 | A fluorescence study of the interactions between sodium alginate and surfactants. <i>Carbohydrate Research</i> , 2003, 338, 1109-1113.   | 2.3  | 38        |
| 62 | The use of magnesium silicate (talc) in a potentiometric sensor for hydrogen ions. <i>Applied Clay Science</i> , 2003, 23, 323-328.  | 5.2  | 7         |
| 63 | 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       |
| 64 | The influence of the photophysics of 2-substituted thioxanthenes on their activity as photoinitiators. <i>Polymer</i> , 2002, 43, 3909-3913.   | 3.8  | 40        |
| 65 | The Effect of Monomer Aggregation in the Photopolymerization of Styrenesulfonate. <i>Journal of Physical Chemistry B</i> , 2001, 105, 2939-2944.   | 2.6  | 8         |
| 66 | Photophysics of $\pi$ -Conjugated Metal <sup>+</sup> Organic Oligomers: $\pi$ -Aryleneethynyls that Contain the (bpy)Re(CO) <sub>3</sub> Cl Chromophore. <i>Journal of the American Chemical Society</i> , 2001, 123, 8329-8342.                   | 13.7 | 88        |
| 67 | Photophysical Study of the Interactions of Charged Copolymers with Surfactants of Opposite Charge. <i>Langmuir</i> , 2001, 17, 3486-3490.  | 3.5  | 12        |
| 68 | 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        |
| 69 | Interações entre corantes e argilas em suspensões aquosa. <i>Química Nova</i> , 2000, 23, 818-824.   | 0.3  | 25        |
| 70 | Photolithographically-Patterned Electroactive Films and Electrochemically Modulated Diffraction Gratings. <i>Langmuir</i> , 2000, 16, 795-810.   | 3.5  | 49        |
| 71 | Photophysics and Photoredox Properties of the Tungsten Carbonyl Complex Cp{P(OPh) <sub>3</sub> }(CO)W <sup>+</sup> CPh. <i>Inorganic Chemistry</i> , 1999, 38, 3254-3257.  | 4.0  | 14        |
| 72 | 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        |

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|----|--|-----|-----------|
| 73 | 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        |
| 74 | Photoreduction of resazurin in the presence of aliphatic amines. <i>Dyes and Pigments</i> , 1996, 32, 93-99.   | 3.7 | 19        |
| 75 | 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        |
| 76 | 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         |
| 77 | Effect of ground state association on the photoreduction of basic dyes by anionic N-phenylglycines and its neutral esters. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1988, 45, 355-360.                   | 3.9 | 8         |
| 78 | Photochemical Synthesis of Ag and Au Nanoparticles Using a Thioxanthone Substituted Chitosan as Simultaneous Photoinitiator and Stabilizer. <i>Journal of the Brazilian Chemical Society</i> , 0, , .                            | 0.6 | 2         |