Sandrine THERIAS

Institut de Chimie de Clermont-Ferrand(https://iccf.uca.fr/unite/presentation)

Coordonnées

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Thèmes de recherche

Comportement photochimique des polymères et des nanocomposites

- Mécanismes réactionnels
- Impact des nanocharges
- Réactivité aux interfaces

Recherches actuelles

Revêtements à propriétés spécifiques

- Propriétés barrière pour encapsulation des cellules solaires organiques
- Propriétés luminescentes pour éclairage éco-énergétique à base de LEDs
- Matériaux polymères du patrimoine

Activités / CV

- 2005 : HDR de l' Université Blaise Pascal (Clermont-Ferrand)
- 1998 : Chargée de Recherche CNRS au LPMM Laboratoire de Photochimie Moléculaire et Macromoléculaire (UMR CNRS 6505)
- 1997-1998 : ATER à l'IUT de Mesures Physiques (Université d'Auvergne, Clermont-Ferrand)
- 1997 : Stage Post-Doctoral au John Innes Center à Norwich (UK)
- 1996-1997 : ATER à l'Université Joseph Fourier (Grenoble)
- 1996 : Doctorat (Spécialité Electrochimie Organique) de l'Université Blaise Pascal (Clermont-Ferrand)

Fonctions à l'ICCF

- Responsable de l'équipe Photochimie(https://iccf.uca.fr/recherche/photochimie)
- Membre de la thématique POlymères, Photochimie, Propriétés et Interfaces (POPPI)(https://iccf.uca.fr/recherche/photochimie/polymeres-photochimie-proprietes-et-interfaces)
- Co-responsable de l'Axe Thématique « Chimie et Matériaux »

Corps

DR CNRS

Informations complémentaires

Publications HAL de Sandrine,THERIAS de la collection PRES_CLERMONT
2024

titre

Impact of photo- and thermooxidative ageing of NBR/PVC blends on the formation of cracks(https://uca.hal.science/hal-04441910)

auteur

Clara Thoral, Gérald Soulagnet, Pierre-Olivier Bussiere, Sandrine Therias

article

Polymer Degradation and Stability, 2024, 220, pp.110633. 10.1016/j.polymdegradstab.2023.110633(https://dx.doi.org/10.1016/j.polymdegradstab.2023.110633)

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DOI

DOI : 10.1016/j.polymdegradstab.2023.110633(https://dx.doi.org/10.1016/j.polymdegradstab.2023.110633)

Accès au bibtex

(https://uca.hal.science/hal-04441910/bibtex)

2023

titre

Impact of photo- and thermooxidative ageing of NBR/PVC blends on the formation of cracks(https://uca.hal.science/hal-04239130)

auteur

Clara Thoral, Gerald Soulagnet, Pierre-Olivier Bussiere, Sandrine Therias

article

2023

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Preprints, Working Papers, ...

DOI

DOI : 10.1016/j.polymdegradstab.2023.110633(https://dx.doi.org/10.1016/j.polymdegradstab.2023.110633)

Accès au texte intégral et bibtex

(https://uca.hal.science/hal-04239130/file/Publi%20NBR%20PVC%20unmarked.pdf) (https://uca.hal.science/hal-04239130/bibtex)

titre

Influence of irradiance on the photooxidation of HALS stabilized low-density polyethylene(https://uca.hal.science/hal-04294937)

auteur

Emma Mazeau, Gérard Pichon, Bruno Bouchut, Julien Christmann, Jean-Luc Gardette, Sandrine Therias

article

Polymer Degradation and Stability, 2023, 216, pp.110478. 10.1016/j.polymdegradstab.2023.110478(https://dx.doi.org/10.1016/j.polymdegradstab.2023.110478)

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DOI : 10.1016/j.polymdegradstab.2023.110478(https://dx.doi.org/10.1016/j.polymdegradstab.2023.110478)

Accès au texte intégral et bibtex

(https://uca.hal.science/hal-04294937/file/PDST-D-23-00481_Revised_With%20no%20marks.pdf)
(https://uca.hal.science/hal-04294937/bibtex)

titre

Solar cell UVinduced degradation or module discolouration: Between the devil and the deep yellow sea(https://hal.science/hal-04234571)

auteur

Nicolas Pinochet, Romain Couderc, Sandrine Therias

article

Progress in Photovoltaics, 2023, 31, pp.1091-1100. 10.1002/pip.3725(https://dx.doi.org/10.1002/pip.3725)

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DOI

DOI : 10.1002/pip.3725(https://dx.doi.org/10.1002/pip.3725)

Accès au texte intégral et bibtex

(https://hal.science/hal-04234571/file/Manuscript%20-%20r%C3%A9visions%20PIP%202023.pdf)
(https://hal.science/hal-04234571/bibtex)

2022

titre

Radiolysis effect on Eu(III)-superplasticiser interactions in artificial cement and squeezed cement pore waters(https://uca.hal.science/hal-03844554)

auteur

Solène Legand, Nathalie Macé, Benoist Muzeau, Philippe Le Tutour, Sandrine Therias, Pascal Reiller

article

Journal of Hazardous Materials, 2022, 443, pp.130269. 10.1016/j.jhazmat.2022.130269(https://dx.doi.org/10.1016/j.jhazmat.2022.130269)

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DOI : 10.1016/j.jhazmat.2022.130269(https://dx.doi.org/10.1016/j.jhazmat.2022.130269)

Accès au bibtex

(https://uca.hal.science/hal-03844554/bibtex)

titre

Wavelength effect on polymer photooxidation under LED weathering conditions(https://uca.hal.science/hal-03759851)

auteur

David Bourgogne, Sandrine Therias, Jean-Luc Gardette

article

Polymer Degradation and Stability, 2022, 202, pp.110021. 10.1016/j.polymdegradstab.2022.110021(https://dx.doi.org/10.1016/j.polymdegradstab.2022.110021)

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DOI : 10.1016/j.polymdegradstab.2022.110021(https://dx.doi.org/10.1016/j.polymdegradstab.2022.110021)

Accès au texte intégral et bibtex

(https://uca.hal.science/hal-03759851/file/HAL_LED%20wavelength.pdf) (https://uca.hal.science/hal-03759851/bibtex)

titre

Photoaging of flame retardant polymers.(https://hal.science/hal-04032667)

auteur

Sandrine Therias

article

ECOFRAM2022, May 2022, Alès, France

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Conference papers

Accès au bibtex

(https://hal.science/hal-04032667/bibtex)

titre

Elucidating the effect of the spacer and the luminescence mechanism of SRB hosted in a LDH interlayer(https://uca.hal.science/hal-03809976)

auteur

Paul Legentil, Fabrice Leroux, Rachid Mahiou, Sandrine Therias, Damien Boyer, François Reveret, Lionel Nauton, Vincent Thery, Rodolphe Valleix, Geneviève Chadeyron

article

Materials Advances, 2022, 3 (2), pp.1200-1211. 10.1039/D1MA00939G(https://dx.doi.org/10.1039/D1MA00939G)

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DOI : 10.1039/D1MA00939G(https://dx.doi.org/10.1039/D1MA00939G)

Accès au bibtex

(https://uca.hal.science/hal-03809976/bibtex)

titre

Consequences of thermo-oxidative ageing on the microstructure and mechanical properties of blends of polyethylenes with different butene contents(https://hal.science/hal-03777736)

auteur

Geraldine Rapp, Jonathan Tireau, Pierre-Olivier Bussiere, J.-M. Chenal, Jean-Luc Gardette, Sandrine Therias, Laurent Chazeau

article

Polymer Degradation and Stability, 2022, 204, pp.110121. 10.1016/j.polymdegradstab.2022.110121(https://dx.doi.org/10.1016/j.polymdegradstab.2022.110121)

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(https://hal.science/hal-03777736/file/Rapp%20et%20al%20pdst%20hal.pdf) (https://hal.science/hal-03777736/bibtex)

2021

titre

Elucidating the effect of the spacer and the luminescence mechanism of SRB hosted in a LDH interlayer(https://hal.science/hal-03809996)

auteur

Paul Legentil, Fabrice Leroux, Rachid Mahiou, Sandrine Therias, Damien Boyer, François Reveret, Lionel Nauton, Vincent Thery, Rodolphe Valleix, Geneviève Chadeyron

article

Materials Advances, 2021, 3 (2), pp.1200-1211. 10.1039/D1MA00939G(https://dx.doi.org/10.1039/D1MA00939G)

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(https://hal.science/hal-03809996/file/d1ma00939g.pdf) (https://hal.science/hal-03809996/bibtex)

titre

Encapsulant polymer blend films for bifacial heterojunction photovoltaic modules: Formulation, characterization and durability(https://uca.hal.science/hal-03401790)

auteur

Marilena Baiamonte, Sandrine Therias, Jean-Luc Gardette, Claudio Colletti, Nadka Tz Dintcheva

article

Polymer Degradation and Stability, 2021, 193, pp.109716. 10.1016/j.polymdegradstab.2021.109716(https://dx.doi.org/10.1016/j.polymdegradstab.2021.109716)

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(https://uca.hal.science/hal-03401790/file/Encapsulant%20polymer%20blend%20films%20for%20bifacial%20PV%20modules%20%20version%20HAL.pdf) (https://uca.hal.science/hal-03401790/bibtex)

titre

Characteristics, fate, and impact of marine plastic debris exposed to sunlight: A review(https://uca.hal.science/hal-03301884)

auteur

Maria Masry, Stéphanie Rossignol, Jean-Luc Gardette, Sandrine Therias, Pierre-Olivier Bussière, Pascal Wong-Wah-Chung

article

Marine Pollution Bulletin, 2021, 171, pp.112701. 10.1016/j.marpolbul.2021.112701(https://dx.doi.org/10.1016/j.marpolbul.2021.112701)

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DOI : 10.1016/j.marpolbul.2021.112701(https://dx.doi.org/10.1016/j.marpolbul.2021.112701)

Accès au texte intégral et bibtex

(https://uca.hal.science/hal-03301884/file/MPB-D-21-00843_R1.pdf) (https://uca.hal.science/hal-03301884/bibtex)

titre

The potential effect of radiolyzed superplasticizers contained in cement-based materials on europium uptake(https://cea.hal.science/cea-03613249)

auteur

Solène Legand, Nathalie Mace, Benoist Muzeau, Philippe Le Tutour, Sandrine Therias, Pascal Reiller

article

ENYGF'21 - The European Nuclear Young Generation Forum, Enen: European Nuclear Education Network, Sep 2021, Tarragona, Spain

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Conference papers

Accès au texte intégral et bibtex

(https://cea.hal.science/cea-03613249/file/2021.06%20Abstract%20ENYGF_review-VF.pdf) (https://cea.hal.science/cea-03613249/bibtex)

titre

Photostabilization of polyethylene by a hindered amine light stabilizer in blooming conditions and impact of MDO processing(https://uca.hal.science/hal-03401727)

auteur

Julien Christmann, Jean-Luc Gardette, Gérard Pichon, Bruno Bouchut, Sandrine Therias

article

Polymer Degradation and Stability, 2021, 191, pp.109683. 10.1016/j.polymdegradstab.2021.109683(https://dx.doi.org/10.1016/j.polymdegradstab.2021.109683)

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DOI : 10.1016/j.polymdegradstab.2021.109683(https://dx.doi.org/10.1016/j.polymdegradstab.2021.109683)

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(https://uca.hal.science/hal-03401727/file/Publi%20Tinuvin%20770_revised%20version%20%28unmarked%29.pdf) (https://uca.hal.science/hal-03401727/bibtex)

titre

New insights into the mechanism of photodegradation of chitosan(https://uca.hal.science/hal-03169382)

auteur

Pierre-Olivier Bussiere, Jean-Luc Gardette, Géraldine Rapp, Claire Masson, Sandrine Therias

article

Carbohydrate Polymers, 2021, 259, pp.117715. 10.1016/j.carbpol.2021.117715(https://dx.doi.org/10.1016/j.carbpol.2021.117715)

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(https://uca.hal.science/hal-03169382/file/Chitosan%20Carbopol%20R2%20cleaned.pdf) (https://uca.hal.science/hal-03169382/bibtex)

titre

Limits of UV-light acceleration on the photooxidation of low-density polyethylene(https://uca.hal.science/hal-03081995)

auteur

Sandrine Therias, Géraldine Rapp, Claire Masson, Jean-Luc Gardette

article

Polymer Degradation and Stability, 2021, 183, pp.109443. 10.1016/j.polymdegradstab.2020.109443(https://dx.doi.org/10.1016/j.polymdegradstab.2020.109443)

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DOI : 10.1016/j.polymdegradstab.2020.109443(https://dx.doi.org/10.1016/j.polymdegradstab.2020.109443)

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(https://uca.hal.science/hal-03081995/file/Reciprocite%20PDS%20revised%20cleaned%202%20%281%29.pdf) (https://uca.hal.science/hal-03081995/bibtex)

2020

titre

Reliability study under thermal and photonic stresses of sulforhodamine B (SRB) confined in layered double hydroxide (LDH)(https://uca.hal.science/hal-03016985)

auteur

Paul Legentil, Fabrice Leroux, Sandrine Therias, Damien Boyer, François Réveret, Geneviève Chadeyron

article

Applied Clay Science, 2020, pp.105922. 10.1016/j.clay.2020.105922(https://dx.doi.org/10.1016/j.clay.2020.105922)

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DOI : 10.1016/j.clay.2020.105922(https://dx.doi.org/10.1016/j.clay.2020.105922)

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(https://uca.hal.science/hal-03016985/file/Leroux%20%28Applied%20Clay%20Sci%202020%29%20%28reliability%29%20%28for%20HAL%29.pdf) (https://uca.hal.science/hal-03016985/bibtex)

titre

Effet du procédé MDO sur le photovieillissement de films de polyéthylène, conséquences sur les propriétés barrière.(https://uca.hal.science/hal-03105532)

auteur

J. Christmann, R. Fargeix, J-L. Gardette, Sandrine Therias

article

Web-conférence "PhotOnline" des jeunes chercheurs SP2P, Oct 2020, Web-conférence, France

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Conference papers

Accès au bibtex

(https://uca.hal.science/hal-03105532/bibtex)

titre

Sulforhodamine B-LDH composite as a rare-earth-free red-emitting phosphor for LED lighting(https://hal.science/hal-02992421)

auteur

Paul Legentil, Fabrice Leroux, Sandrine Therias, Damien Boyer, Geneviève Chadeyron

article

Journal of Materials Chemistry C, 2020, 8 (34), pp.11906-11915. 10.1039/D0TC02802A(https://dx.doi.org/10.1039/D0TC02802A)

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(https://hal.science/hal-02992421/file/Leroux%20%28J%20Mater%20Chem%20C%202020%29%20%28for%20HAL%29.pdf) (https://hal.science/hal-02992421/bibtex)

titre

Luminescent N-heterocycles based molecular backbone interleaved within LDH host structure and dispersed into polymer(https://hal.science/hal-02536944)

auteur

Paul Legentil, Geneviève Chadeyron, Sandrine Therias, Nicolas Chopin, Doina Sirbu, Franck Suzenet, Fabrice Leroux

article

Applied Clay Science, 2020, 189, pp.105561. 10.1016/j.clay.2020.105561(https://dx.doi.org/10.1016/j.clay.2020.105561)

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(https://hal.science/hal-02536944/file/Leroux%20%28Applied%20Clay%20Sci%202020%29%20%28heterocycle%29.pdf) (https://hal.science/hal-02536944/bibtex)

titre

Use of fluorescent probes in supporting functional group analysis resulting from polymer ageing(https://uca.hal.science/hal-03023127)

auteur

Baptiste Hervé, Géraldine Rapp, Pierre-Olivier Bussiere, Jean-Luc Gardette, Sandrine Therias

article

Polymer Degradation and Stability, 2020, 177, 10.1016/j.polymdegradstab.2020.109167(https://dx.doi.org/10.1016/j.polymdegradstab.2020.109167)

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DOI : 10.1016/j.polymdegradstab.2020.109167(https://dx.doi.org/10.1016/j.polymdegradstab.2020.109167)

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(https://uca.hal.science/hal-03023127/file/PDS%202020%20Fluo.pdf) (https://uca.hal.science/hal-03023127/bibtex)

2019

titre

Revisiting fluorescein and layered double hydroxide using a synergistic approach: A complete optical study(https://hal.science/hal-02333700)

auteur

Paul Legentil, Fabrice Leroux, Sandrine Therias, Rachid Mahiou, Geneviève Chadeyron

article

Journal of Luminescence, 2019, 215, pp.116634. 10.1016/j.jlumin.2019.116634(https://dx.doi.org/10.1016/j.jlumin.2019.116634)

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DOI : 10.1016/j.jlumin.2019.116634(https://dx.doi.org/10.1016/j.jlumin.2019.116634)

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titre

Accelerated ultraviolet aging of structural and luminescent properties of the ureasil-polyether hybrid materials U-PEO:Eu3+ and U-PPO:Eu3+(https://hal.science/hal-02191247)

auteur

Gustavo Palácio, Damien Boyer, Sandrine Therias, Sandra Pulcinelli, Rachid Mahiou, Geneviève Chadeyron, Celso Santilli

article

Polymer, 2019, 177, pp.102-110. 10.1016/j.polymer.2019.05.060(https://dx.doi.org/10.1016/j.polymer.2019.05.060)

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Accès au texte intégral et bibtex

(https://hal.science/hal-02191247/file/Gustavo-Polymer-Doc.pdf) (https://hal.science/hal-02191247/bibtex)

titre

Accelerated aging test modeling applied to solar mirrors(https://uca.hal.science/hal-03020373)

auteur

Coralie Avenel, Olivier Raccurt, Jean-Luc Gardette, Sandrine Therias

article

npj Materials Degradation, 2019, 3, 10.1038/s41529-019-0089-y(https://dx.doi.org/10.1038/s41529-019-0089-y)

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(https://uca.hal.science/hal-03020373/file/s41529-019-0089-y.pdf) (https://uca.hal.science/hal-03020373/bibtex)

titre

Influence of the physical state of a polymer blend on thermal ageing(https://uca.hal.science/hal-03022915)

auteur

Geraldine Rapp, Jonathan Tireau, Pierre-Olivier Bussiere, Jean-Marc Chenal, François Rousset, Laurent Chazeau, Jean-Luc Gardette, Sandrine Therias

article

Polymer Degradation and Stability, 2019, 163, pp.161-173. 10.1016/j.polymdegradstab.2019.03.006(https://dx.doi.org/10.1016/j.polymdegradstab.2019.03.006)

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DOI : 10.1016/j.polymdegradstab.2019.03.006(https://dx.doi.org/10.1016/j.polymdegradstab.2019.03.006)

Accès au texte intégral et bibtex

(https://uca.hal.science/hal-03022915/file/PDS%202019%20Rapp.pdf) (https://uca.hal.science/hal-03022915/bibtex)

titre

Optical calcium test for measurement of multiple permeation pathways in flexible organic optoelectronic encapsulation(https://uca.hal.science/hal-03022935)

auteur

Patrick Boldrighini, Aurélie Fauveau, Sandrine Thérias, Jean-Luc Gardette, Manuel Hidalgo, Stéphane Cros

article

Review of Scientific Instruments, 2019, 90 (1), 10.1063/1.5021182(https://dx.doi.org/10.1063/1.5021182)

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Accès au texte intégral et bibtex

(https://uca.hal.science/hal-03022935/file/RSI%202019.pdf) (https://uca.hal.science/hal-03022935/bibtex)

2018

titre

Review of accelerated ageing test modelling and its application to solar mirrors(https://hal.science/hal-01963199)

auteur

Coralie Avenel, Olivier Raccurt, Jean-Luc Gardette, Sandrine Therias

article

Solar Energy Materials and Solar Cells, 2018, 186, pp.29-41

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Journal articles

Accès au bibtex

(https://hal.science/hal-01963199/bibtex)

titre

Impact of thermal oxidation of polymers on features of fluorescent probes(https://hal.science/hal-01963141)

auteur

Géraldine Rapp, Eric Aimé Poutougnigni, Jean-Luc Gardette, Pierre-Olivier Bussière, Sandrine Therias

article

Polymer Degradation and Stability, 2018, 157, pp.63-69

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Journal articles

Accès au bibtex

(https://hal.science/hal-01963141/bibtex)

titre

Peculiar effect of stereocomplexes on the photochemical ageing of PLA/PMMA blends(https://hal.science/hal-01963065)

auteur

Géraldine Rapp, Cédric Samuel, Jérémy Odent, Jean-Marie Raquez, Philippe Dubois, Pierre-Olivier Bussière, Jean-Luc Gardette, Sandrine Therias

article

Polymer Degradation and Stability, 2018, 150, pp.92-104

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Journal articles

Accès au bibtex

(https://hal.science/hal-01963065/bibtex)

titre

Impact of particle size in PE/ATH composites: The relationship between the interphase and water uptake(https://hal.science/hal-01704382)

auteur

Anthony Perthué, Pierre-Olivier Bussière, Mohamed Baba, Jean-François Larche, Sandrine Therias, Feyza Karasu, Céline Croutxe-Barghorn

article

Progress in Organic Coatings, 2018, 114, pp.145 - 153. 10.1016/j.porgcoat.2017.10.001(https://dx.doi.org/10.1016/j.porgcoat.2017.10.001)

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DOI : 10.1016/j.porgcoat.2017.10.001(https://dx.doi.org/10.1016/j.porgcoat.2017.10.001)

Accès au bibtex

(https://hal.science/hal-01704382/bibtex)

2017

titre

Applications of polymer nanocomposites as encapsulants for solar cells and LEDs: Impact of photodegradation on barrier and optical properties(https://hal.science/hal-01656055)

auteur

Ievgeniia Topolniak, Anthony Chapel, Julien Gaume, Pierre-Olivier Bussiere, Geneviève Chadeyron, Jean-Luc Gardette, Sandrine Therias

article

Polymer Degradation and Stability, 2017, 145, pp.52 - 59. 10.1016/j.polymdegradstab.2017.06.013(https://dx.doi.org/10.1016/j.polymdegradstab.2017.06.013)

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Accès au bibtex

(https://hal.science/hal-01656055/bibtex)

titre

Bionanocomposites based on PLA and halloysite nanotubes: From key properties to photooxidative degradation(https://hal.science/hal-01638359)

auteur

Sandrine Therias, Marius Murariu, Philippe Dubois

article

Polymer Degradation and Stability, 2017, 145, pp.60 - 69. 10.1016/j.polymdegradstab.2017.06.008(https://dx.doi.org/10.1016/j.polymdegradstab.2017.06.008)

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Accès au bibtex

(https://hal.science/hal-01638359/bibtex)

titre

Photon management in the photochemical degradation of EVA-calcite composite films(https://hal.science/hal-01656047)

auteur

Anthony Perthue, Philippe Boutinaud, Sandrine Therias, Jean-Luc Gardette

article

Polymer Degradation and Stability, 2017, 144, pp.325 - 330. 10.1016/j.polymdegradstab.2017.08.030(https://dx.doi.org/10.1016/j.polymdegradstab.2017.08.030)

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(https://hal.science/hal-01656047/bibtex)

titre

Surface analysis of EVOH and its nanocomposite photoageing: Particles effect(https://hal.science/hal-01638347)

auteur

Ievgeniia Topolniak, Andrej Vincze, Jean-Luc Gardette, Daniel Hasko, Alexander Satka, Sandrine Therias, Frantisek Uherek

article

Vacuum, 2017, 138, pp.125 - 133. 10.1016/j.vacuum.2017.01.008(https://dx.doi.org/10.1016/j.vacuum.2017.01.008)

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Accès au bibtex

(https://hal.science/hal-01638347/bibtex)

titre

Preparation and characterization of a red luminescent composite composed of an EVA copolymer and a Y 3 BO 6 :Eu 3+ phosphor(https://hal.science/hal-01655028)

auteur

Anthony Chapel, Rachod Boonsin, Geneviève Chadeyron, Damien Boyer, Angélique Bousquet, Rachid Mahiou, Wellington Henrique Cassinelli, Celso Valentim Santilli, Sandrine Therias

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New Journal of Chemistry, 2017, 41 (20), pp.12006 - 12013. 10.1039/C7NJ02283B(https://dx.doi.org/10.1039/C7NJ02283B)

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2016

titre

Effect of ZnO nanoparticles on the photochemical and electronic stability of P3HT used in polymer solar cells(https://hal.science/hal-01436751)

auteur

Anthony Chapel, Sadok Ben Dkhil, Sandrine Therias, Jean. -Luc. Gardette, Driss Hannani, Guillaume Poize, Meriem Gaceur, Syed M. Shah, Pascal Wong-Wah-Chung, Christine Videlot-Ackermann, Olivier Margeat, Agnès Rivaton, Jörg Ackermann

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Solar Energy Materials and Solar Cells, 2016, 155, pp.79-87. 10.1016/j.solmat.2016.04.052(https://dx.doi.org/10.1016/j.solmat.2016.04.052)

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titre

Correlation between water uptake and loss of the insulating properties of PE/ATH composites used in cables applications.(https://hal.science/hal-01323714)

auteur

Anthony Perthué, Pierre-Olivier Bussiere, Mohamed Baba, Jean-François Larche, Jean-Luc Gardette, Sandrine Therias

article

Polymer Degradation and Stability, 2016, 127, pp.79-87 10.1016/j.polymdegradstab.2016.01.020(https://dx.doi.org/10.1016/j.polymdegradstab.2016.01.020)

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titre

The role of hydroperoxides in the chemiluminescence of oxidized polymers reconsidered(https://hal.science/hal-01323756)

auteur

Steeve Collin, Pierre-Olivier Bussiere, Sandrine Therias, Jacques Lacoste

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titre

Influence of down shifting particles on the photochemical behaviour of EVA copolymers.(https://hal.science/hal-01483944)

auteur

Anthony Perthué, Philippe Boutinaud, Sandrine Therias, Jean-Luc Gardette

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2015

titre

Sol-gel based water repellent coatings for textiles.(https://hal.science/hal-01213403)

auteur

Aicha Boukhriss, Damien Boyer, Hassan Hannache, Jean-Philippe Roblin, Rachid Mahiou, Omar Cherkaoui, Sandrine Therias, Said Gmouh

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Water as a morphological probe to study polymer-filler interfaces: an original application of thermoporosimetry.(https://hal.science/hal-01205201)

auteur

Ahmedou Sidi, Jean-François Larché, Pierre-Olivier Bussiere, Jean-Luc Gardette, Sandrine Thérias, Mohamed Baba

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Physical Chemistry Chemical Physics, 2015, 17, 18751-18760, 10.1039/C5CP02116B(https://dx.doi.org/10.1039/C5CP02116B)

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titre

Influence of zeolite nanoparticles on photostability of ethylene vinyl alcohol copolymer (EVOH).(https://hal.science/hal-01264633)

auteur

Ievgeniia Topolniak, Jean-Luc Gardette, Sandrine Therias

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Polymer Degradation and Stability, 2015, 121, pp.137-148. 10.1016/j.polymdegradstab.2015.08.014(https://dx.doi.org/10.1016/j.polymdegradstab.2015.08.014)

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Accelerated photo-aging of organic coatings used as protective layers for Blu-ray Discs.(https://hal.science/hal-01203300)

auteur

Steeve Collin, Pierre-Olivier Bussiere, Jean-Luc Gardette, Jacques Perdereau, Romuald Gorjup, Sandrine Therias

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titre

Investigation on combustion derived BaMgAl10O17: Eu2+ phosphor powder and its corresponding PVP/BaMgAl10O17:Eu2+ nanocomposite.(https://hal.science/hal-00951326)

auteur

Nathalie Pradal, Geneviève Chadeyron, Sandrine Thérias, Audrey Potdevin, Celso V. Santilli, Rachid Mahiou

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titre

Impact of photooxidative degradation on the oxygen permeability of poly(ethyleneterephthalate)(https://hal.science/hal-01077200)

auteur

Jean-Luc Gardette, Alexis Colin, Serge Trivis, Serge German, Sandrine Therias

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titre

Photostability of organic materials used in polymer solar cells.(https://hal.science/hal-01077168)

auteur

Agnès Rivaton, Aurélien Tournebize, Julien Gaume, Pierre-Olivier Bussiere, Jean-Luc Gardette, Sandrine Therias

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titre

Photooxidation of cellulose nitrate: New insights into degradation mechanisms.(https://hal.science/hal-01077179)

auteur

Sébastien Berthumeyrie, Steeve Collin, Pierre-Olivier Bussiere, Sandrine Therias

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titre

Mechanically stable and photocatalytically active TiO2/SiO2 hybrid films on flexible organic substrates (https://hal.science/hal-01097707)

auteur

D Grégori, I. Benchenaa, F. Chaput, Sandrine Therias, Jean-Luc Gardette, Didier Léonard, C. Guillard, Stéphane Parola

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titre

Photodegradation of celluloid used in museum artifacts.(https://hal.science/hal-01077194)

auteur

Pierre-Olivier Bussiere, Jean-Luc Gardette, Sandrine Therias

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titre

Investigations on PVP/Y3BO6:Eu3+, a red luminescent composite for lighting devices based on near UV-LEDs.(https://hal.science/hal-01085338)

auteur

Nathalie Pradal, Damien Boyer, Geneviève Chadeyron, Sandrine Therias, Anthony Chapel, Celso V. Santilli, Rachid Mahiou

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titre

Photodegradation of Tetramethylpolycarbonate (TMPC) : correlation of mechanical properties with chemical modifications(https://hal.science/hal-00948652)

auteur

Sébastien Berthumeyrie, Alexis Colin, Cecile Esparcieux, Mohamed Baba, Fernando Catalina, Pierre-Olivier Bussiere, Sandrine Therias

article

Polymer Degradation and Stability, 2013, 98 (10), pp.2081-2088. 10.1016/j.polymdegradstab.2013.07.002(https://dx.doi.org/10.1016/j.polymdegradstab.2013.07.002)

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(https://hal.science/hal-00948652/bibtex)

titre

Influence of functional nanoparticles on the photostability of polymer materials : recent progress and further applications(https://hal.science/hal-00948862)

auteur

Pierre-Olivier Bussiere, Jérémy Peyroux, Geneviève Chadeyron, Sandrine Therias

article

Polymer Degradation and Stability, 2013, 98, pp.2411-2418

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titre

Photo- and thermal oxidation of polyethylene: comparison of mechanisms and influence of unsaturation content(https://hal.science/hal-00947157)

auteur

Mélanie Gardette, Anthony Perthue, Jean-Luc Gardette, Tünde Janecska, Enik Földes, Béla Pukánszky, Sandrine Therias

article

Polymer Degradation and Stability, 2013, 98, pp.2383-2390. 10.1016/j.polymdegradstab.2013.07.017(https://dx.doi.org/10.1016/j.polymdegradstab.2013.07.017)

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titre

Ageing of polyethersulfone/polyvinylpyrrolidone blends in contact with bleach water.(https://hal.science/hal-00846696)

auteur

Romain Prulho, Sandrine Therias, Agnès Rivaton, Jean-Luc Gardette

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Polymer Degradation and Stability, 2013, 98, pp.1164-1172

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titre

Impact of UV-visible light on the morphological and photochemical behavior of a low-bandgap poly (2,7-carbazole) derivative for use in high-performance solar cells(https://hal.science/hal-00812521)

auteur

Aurélien Tournebize, Pierre-Olivier Bussiere, Pascal Wong-Wah-Chung, Sandrine Thérias, Agnès Rivaton, Jean-Luc Gardette, Serge Beaupré, Mario Leclerc

article

Advanced Energy Materials, 2013, 3, pp.487-487

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titre

Soft-Chemistry Derived Advanced Phosphors for Smart Lighting Devices Based on Blue or UV LEDs(https://hal.science/hal-00795860)

auteur

Geneviève Chadeyron, Nathalie Pradal, Audrey Potdevin, Damien Boyer, Sandrine Therias, M. Consonni, Rachid Mahiou

article

ECS Journal of Solid State Science and Technology, 2013, 2, pp.R3041-R3047

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titre

Multi-scale analysis of hypochlorite induced PES/PVP ultrafiltration membranes degradation(https://hal.science/hal-00904294)

auteur

Bastien Pellegrin, Romain Prulho, Agnès Rivaton, Sandrine Thérias, Jean-Luc Gardette, Emmanuelle Gaudichet-Maurin, Christel Causserand

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Exfoliated polymer nanocomposites by in situ coprecipitation of layered double hydroxides in a polymer matrix(https://hal.science/hal-00950060)

auteur

Julien Gaume, Sandrine Therias, Fabrice Leroux, Agnès Rivaton, Jean-Luc Gardette

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Why do chemical sensors for explosives detection lose their fluorescence under UV-visible exposure? (https://hal.science/hal-00745564)

auteur

Aurélien Tournebize, Pascal Wong-Wah-Chung, Sandrine Therias, Pierre-Olivier Bussiere, Agnès Rivaton, Thomas Caron, F. Serein-Spirau, Jean-Pierre Lère-Porte, Pierre Montméat, Jean-Luc Gardette

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titre

Photooxidation of polymers: Relating material properties to chemical changes(https://hal.science/hal-00712189)

auteur

Jean-François Larché, Pierre-Olivier Bussiere, Sandrine Therias, Jean-Luc Gardette

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Effect of ZnO nanofillers treated with triehoxy caprylylsilane on the isothermal and non-isothermal crystallization of poly(lactic acid).(https://hal.science/hal-00787153)

auteur

Pierre-Olivier Bussiere, Sandrine Therias, Jean-Luc Gardette, Marius Murariu, Philippe Dubois, Mohamed Baba

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Luminescent nanocomposites made of finely-dispersed Y3Ga5O12: Tb powder in a polymer matrix: promising candidates for optical devices(https://hal.science/hal-00785140)

auteur

Audrey Potdevin, Geneviève Chadeyron, Sandrine Therias, Rachid Mahiou

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Langmuir, 2012, 28, pp.13526-13535

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titre

Physicochemical and mechanical impacts of accelerated photo-ageing on polycarbonate CD-R substrate(https://hal.science/hal-00786504)

auteur

Steve Collin, Pierre-Olivier Bussiere, Sandrine Therias, J.-M. Lambert, J. Perdereau, Jean-Luc Gardette

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titre

Multiscale Investigation of the Poly(N-vinylcarbazole) Photoageing Mechanism(https://hal.science/hal-00687596)

auteur

Pierre-Olivier Bussiere, Agnès Rivaton, Sandrine Therias, Jean-Luc Gardette

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Journal of Physical Chemistry B, 2012, 116, pp.802-812

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Influence of nanoclays on the photochemical behaviour of poly(vinyl alcohol).(https://hal.science/hal-00712213)

auteur

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Photochemical Behavior of Polylactide/ZnO Nanocomposite Films(https://hal.science/hal-00787001)

auteur

Sandrine Therias, Jean-François Larché, Pierre-Olivier Bussiere, Jean-Luc Gardette, Marius Murariu, Philippe Dubois

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Biomacromolecules, 2012, 13, pp.3283-3291

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Single layered double hydroxide platelets formation in poly(vinylpyrrolidone) and alginate medium: conductive, capacitive and dielectric properties of the hybrid films(https://hal.science/hal-00785170)

auteur

Fabrice Leroux, Karine Chabrol, Sandrine Therias, Jean-Luc Gardette, André de Roy

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titre

Thermal, mechanical, and rheological characterization of polypropylene/layered double hydroxide nanocomposites(https://hal.science/hal-00786363)

auteur

S.P Lonkar, Sandrine Therias, Fabrice Leroux, Jean-Luc Gardette, Raj Pal Singh

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Polymer Engineering and Science, 2012, 52, pp.2006-2014

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auteur

Julien Gaume, Christine Taviot-Gueho, Stéphane Cros, Agnès Rivaton, Sandrine Therias, Jean-Luc Gardette

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Solar Energy Materials and Solar Cells, 2012, 99, pp.240-249

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A promising method for measuring oxygen permeability of polymers using PEO photooxidation as a sensor(https://hal.science/hal-00787198)

auteur

Julien Gaume, Agnès Rivaton, Sandrine Therias, Jean-Luc Gardette

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auteur

Jean Luc Gardette, Agnes Rivaton, Sandrine Therias, Bénédicte Mailhot-Jensen

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Sandrine Therias, Christine Mousty

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Anion-exchanging clay-modified electrodes: synthetic layered double hydroxides intercalated with electroactive organic anions(https://hal.science/hal-02182274)

auteur

Christine Mousty, Sandrine Therias, Claude Forano, Jean-Pierre Besse

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