ML-2023

Articles dans des revues internationales ou nationales répertoriées, avec comité de lecture [ACL]

Y. GUO, **D.BOYER, F. REVERET, F.CISNETTI, G. CHADEYRON**, F. LEROUX, Y. FENG
An Unlimited Color Palette from Perylene Derivative Molecules Dispersed within Hybrids
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Spectral tuning, stabilities under external exposures, and spontaneous enhancement of emission intensity in grown-into-glass all-inorganic metal halide perovskite nanocrystals
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C. LIU, D. LI, **P. BOUTINAUD**, S. TAN, J. XU, Y. DU, Y. HOU, C. ZHANG, Q. ZHOU, F. KANG
Tailoring electromagnetic responses in terahertz metasurface by breaking the structural symmetry in T-shaped resonators
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P. BOUTINAUD
Luminescence-structure relationships in solids doped with Bi^{3+}
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M. KAMINSKI, S. MAHLIK, **A. BARROS, P. BOUTINAUD**
Uncovering the origin of radiationless losses in CuLaO2 by rationalizing the action of temperature and pressure on the luminescence
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A. MARTIN, **A. POTDEVIN**, **F. RÉVERET**, E. CENTENO, R. SMAALI, F. OMEIS, D. RIASSETTO, E. KACHAN, Y. JOURLIN, **G. CHADEYRON**, M. LANGLET
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L. MARICHEZ, **G. CHADEYRON**, **D. ZAMBON**, **F. RÉVERET**, **A. POTDEVIN**, **D. BOYER**, V. GATÉ, I. VERRIER, D. JAMON, E. GAMET, Y. JOURLIN
Doped sol-gel based microstructured layers to improve the light emission of luminescent coatings
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L. LOPEZ, P. PICHON, P. LOISEAU, B. VIANA, **R. MAHIOU**, F. DRUON, P. GEORGES, F. BALEMBOIS
Ce: LYSO, from scintillator to solid-state lighting as a blue luminescent concentrator
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A. TRAN, R. VALLEIX, M. MATIC, M. SLEIMAN, **F. CISNETTI, D. BOYER**
Environmental friendly InP quantum dots as visible-light catalyst for water treatment
Environmental Science: Nano (2023) 1749-1753. https://doi.org/10.1039/D3EN00158J

A. SATHYANARAYANA, F. REVERET, L. JOUFFRET**, D. BOYER, G. CHADEYRON, F. CISNETTI**
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A. TRAN, M. LEROUX, C. MICHELIN, **F. REVERET**, **D. BOYER**, **F. CISNETTI**
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G. ZERBIB, D. BOYER, G. CHADEYRON, F. RÉVERET, F. LEROUX
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O. JAMAL EDDINE, A. BOUKHRISS, M. EL BOUCHTI, O. CHERKAOUI, **R. MAHIOU**, H. HANNACHE, **D. BOYER**, S. GMOUH
Effect of fluorescein concentration on morphological, structural, and photoluminescence properties of glass fibers coated with organic-inorganic hybrid films via sol-gel
Journal of Sol-Gel Science and Technology, 108 (2023) 559-573.

Chapitre de livre

P. BOUTINAUD, E.CAVALLI (sur invitation)
Metal-to-metal charge transfer involving Pr^{3+} or Tb^{3+} ions in transition metal oxides and its consequences on the luminescence behaviors
Luminescent Materials : Fundamentals and Applications, M. Brick & A. M. Srivastava eds., Walter de Gruyter GmbH & Co KG, 2023, pp. 239 – 270. ISBN: 9783110607857. doi.org/10.1515/9783110607871.

G. CHADEYRON, **A. POTDEVIN**
L'éclairage à base de diodes électroluminescentes : le rôle des luminophores
RX et Matière 6, R. Guinebretière, et P. Goudeau, éditions ISTE.
2023, pp 235-268, ISBN : 1784059889

Publications dans des revues non répertoriées – Proceedings

Communication

Conférences données à l'invitation du Comité d'organisation dans un congrès national ou international

M. KHAYWAH, A. POTDEVIN, F. RÉVERET, R. MAHIOU, Y. OUERDANE, A. DESERT, S. PAROLA, **G. CHADEYRON**, E. CENTENO, R. SMAALI, A. MOREAU
Non-resonant enhancement of photoluminescence based on metallic nanocubes
META 2023, 18-21 juillet 2023, Paris

P. BOUTINAUD
Luminescence-structure relationships in Bi^{3+}-doped solids
20th International Conference on Luminescence – ICL 2023, 27 août-1er septembre 2023, Paris

Communications dans un congrès international

R. THEVENET, **G. CHADEYRON**, **F. RÉVERET, A. POTDEVIN**
Synthesis and characterization of chromium-doped Yttrium Aluminum Garnet crystals by Pechini and co-precipitation
Congrès SCF 2023, 26-28 juin 2023, Nantes

P. MARTIN, **A. POTDEVIN**, **G. CHADEYRON**, **D. BOYER**
Lead-free manganese halides – from synthesis to optical properties characterization
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G. ZERBIB, D.BOYER, G. CHADEYRON, F. LEROUX
Highly luminescent rare-earth-free red phosphor constituted of SRB molecules intercalated into LDH
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L. LOPEZ, P. PICHON, P. LOISEAU, B. VIANA, **R. MAHIOU**, F. DRUON, P. GEORGES, F. BALEMBOIS
Ce:LYSO, from scintillator to solid-state lighting as a blue luminescent concentrator
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A. TRAN, F. CISNETTI, D. BOYER
Carboxylate BODIPY functional zinc based metal-organic frameworks: towards solid state luminescence
9th Conference of the Federation of the European Zeolite Associations (FEZA2023), 2-6 July 2023, Portorož (Slovenie)

E. CENTENO, **A. MARTIN**, MI. LANGLET, **A. POTDEVIN**, **F RÉVERET**, R. SMAALI, E. KACHAN, Y. JOURLIN., **G. CHADEYRON**
Enhanced photoluminescence of ZnO nanowire coatings and gratings
META 2023, 18-21 juillet 2023, Paris

C. BASLARI, H. MASKROT, W. PACQUENTIN, S. DE SOUSA NOBRE, **D. ZAMBON**, **R. MAHIOU**
Embedding of Luminescent Pigments within 316L Stainless Steel Matrix by Laser Powder Bed Fusion for Optical Functionalities

34th Annual International Solid Freeform Fabrication Symposium – An Additive Manufacturing Conference (SFF 2023) 14-16 août 2023, Austin, Texas USA

A. MARTIN, A. POTDEVIN, F. RÉVERET, E. CENTENO, D. RIASSETTO, M. LANGLET, G. CHADEYRON
Luminescence properties of multiscale nanostructured coatings combining ZnO nanowires and $Y_3Al_5O_{12}:Ce^{3+}$
20th International Conference on Luminescence – ICL 2023, 27 août-1er septembre 2023, Paris

P. MARTIN, A. POTDEVIN, G. CHADEYRON, F. REVERET, D. BOYER
Lead-free manganese based perovskite inspired metal halides: from synthesis to (micro)-LED application
20th International Conference on Luminescence – ICL 2023, 27 août-1er septembre 2023, Paris

F. RÉVERET, M. KHAYWAH, A. POTDEVIN, R. MAHIOU, Y. OUERDANE, A. DÉSERT, S. PAROLA, **G. CHADEYRON**, E. CENTENO, R. SMAALI, A. MOREAU
Light extraction and injection enhancement using metallic nanocubes
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C. BASLARI, H. MASKROT, W. PACQUENTIN, S. DE SOUSA NOBRE, **D. ZAMBON, R. MAHIOU**
Embedding of YAG:Ce within 316L stainless steel matrix by additive manufacturing for corrosion monitoring
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L. LOPEZ, P. PICHON, P. LOISEAU, B. VIANA, **R. MAHIOU**, F. DRUON, P. GEORGES, F. BALEMBOIS
Ce:LYSO as a blue luminescent concentrator
20th International Conference on Luminescence – ICL 2023, 27 août-1er septembre 2023, Paris

C. BASLARI, H. MASKROT, W. PACQUENTIN, S. DE SOUSA NOBRE, **D. ZAMBON, R. MAHIOU**
Development of sensing luminescent layers by laser powder bed fusion for corrosion monitoring
MAMC "Metal Additive Manufacturing Conference" 2023, 17-19 octobre 2023, Vienne, Autriche

Communications dans un congrès national

G. ZERBIB, G. CHADEYRON, F. LEROUX**, D. BOYER**
Hydroxydes Doubles Lamellaires luminescents pour des applications dans des dispositifs à LEDs
Groupe Français d'Etude des Composés d'Insertion (GFECI), 27-30 mars 2023, Biarritz.

P. MARTIN, A. POTDEVIN, G. CHADEYRON, D.BOYER
Elaboration et caractérisation de nanoluminophores destinés à des dispositifs à micro-LED
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P. MARTIN, A. POTDEVIN, G. CHADEYRON, D. BOYER
Room temperature synthesis of green emitting lead-free perovskite inspired manganese halides
Journées Perovskites Halogénées (JPH), 31 mai – 2 juin 2023, Biarritz.

Posters

A. TRAN, R. VALLEIX, F. CISNETTI, D. BOYER
Facile InP/ZnS QDs encapsulation in MOF-5 matrices: towards solid state luminescence
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Room temperature synthesis of lead-free perovskite inspired manganese halides – from bulk to nano
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A. MARTIN, A. POTDEVIN, F. RÉVERET, D. RIASSETTO, M. LANGLET, G. CHADEYRON.
Elaboration of multiscale nanostructured luminescent coatings by combining ZnO nanowires and $Y_3Al_5O_{12}:Ce^{3+}$ ***luminescent coatings***
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F. CISNETTI, A. SATHYANARAYANA
Copper(I)-NHC complexes with NHC-picolyl ligands: synthesis and solid-state Luminescence
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N. N'GAZA, C. MARESTIN, R. MERCIER**, D. BOYER, A. BARROS**
Synthesis and study of aromatic and heterocyclic luminescent compounds and polymers
STEPI12 - Polyimides & High Performance Materials, 4-7 juin 2023, Montpellier.

V. GALLON, T. PINTO-NEVES, J.-M. CHEZAL, S. TARRIT, S. BESSE, **A. POTDEVIN**, D. RICHARD, J. ROUANET, E. MIOT-NOIRAULT, B. MAUNIT, M. QUINTANA
Functionalization of gold nanoparticles by SPAAC reaction for PDT treatment of Dubreuilh's melanoma
4ème Journée Française sur la Thérapie Photo dynamique, 2 novembre 2023, Paris.

Brevets

Séminaires

D. BOYER
Nanophosphors for optical applications
Laboratoire de Physique et Chimie des Nano-Objets (LPCNO), 9 mars 2023, Toulouse.