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**Articles in Books** (著書) :

- B 1. "Applied Scanning probe methods II: Scanning Probe Microscopy Techniques (nanoscience and nanotechnology)", "Polarization-Modulation Techniques in Near-field Optical Microscopy for Imaging of Polarization Anisotropy in Photonics Nano-structures", pag. 318-356, Edited by B. Bushan and H. Fuchs, Springer (2005), ISBN: 3540262423
- B 2. "State-of-the-Art Program on Compound Semiconductors XLI and Nitride and Wide Bandgap Semiconductors for Sensors, Photonics, and Electronics V", pag. 341-350, ECS, Edited by H. M. Ng A. G. Baca (2004), ISBN: 1-56677-419-5
- B 3. "Hyper Structured Molecules III : Chemistry, Physics and Applications", pag. 31-45, Ed. Sasabe, H. Publ: Gordon & Breach Science Publ. (2002), ISBN 0-415-26796-X
- B 4. "Hyper Structured Molecules II : Chemistry, Physics and Applications", pag. 215-233, Ed. Sasabe, H. Publ: Gordon & Breach Science Publ. (1999), ISBN 90-5699-215-5
- B 5. "Near Field Optics", D.W. Pohl and D. Courjon (Eds), pag. 407-410, (1993) Kluwer, Academic Publisher, ISBN 0-7923-2394-7

**Papers in International Journals** (査読付の研究論文) :

- J 1. K. Oikawa, C. Feldmeier, U.T.Schwarz, T. Kawakami and **R. Micheletto**, "Real-time near-field evidence of optical blinking in the photoluminescence of InGaN by scanning near-field optical microscope", Optical Materials Express, Vol. 1 (2), 158 (2011)
- J 2. C. Feldmeier, M. Abiko, U.T. Schwarz, Y. Kawakami and **R. Micheletto**, "Transient memory effect in the photoluminescence of InGaN single quantum wells", Optics Express, Vol. 17 (25), 22855 (2009)
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- J 4. **R. Micheletto**, K. Hamamoto, T. Fujii and Y. Kawakami, "Tenfold improved sensitivity using high refractive-index substrates for surface plasmon sensing", Applied Physics Letters, **93**, 174104 (2008)

- J 5. **R. Micheletto**, D. Yamada, M. Allegrini and Y. Kawakami, "A polarization-modulation method for the near-field mapping of laterally grown InGaN samples", *Optics Express*, **16** (10), 6889 (2008)
- J 6. **R. Micheletto**, K. Hamamoto and Y. Kawakami, "Optical nanometer-scale sensing of mechanical vibrations with a planar glass at critical angle", *Applied Physics Letters*, **90**, 244108 (2007)
- J 7. R. Piga, **R. Micheletto** and Y. Kawakami, "Acoustical nanometre-scale vibrations of live cells detected by a near-field optical setup", *Opt. Express*, **15**, 9, 5589 (2007)
- J 8. **R. Micheletto**, M. Allegrini and Y. Kawakami, "Artefacts in polarization modulation scanning near-field optical microscopes", *J. Opt. A: Pure Appl. Opt.*, **9**, 431-434 (2007)
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- J 10. A. Ambrosio, O. Fenwick, F. Cacialli, **R. Micheletto**, Y. Kawakami, PG Gucciardi, DJ Kang, M. Allegrini, "Shape dependent thermal effects in apertured fiber probes for scanning near field optical microscopy", *J. Appl. Phys.* **99** (8), 084303 (2006)
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- J 13. **R. Micheletto**, M. Yokokawa, S. Okazaki, Y. Kawakami, "The fabrication of a low cost STM-SNOM hybrid probe", **6**, 72-76, *Journal of Nanoscience and Nanotechnology* (2006)
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- J 15. **R. Micheletto**, M. Yokokawa, Y. Ding, D. Hobara, T. Kakiuchi and Y. Kawakami, "Observation of a nanometer size confined transient phenomenon at the gold STM tip interface under UV illumination", *Journal of Colloid and Surfaces A: Physicochem. Eng. Aspects* **273**, 189-192, (2006)
- J 16. R. Piga, **R. Micheletto**, Y. Kawakami, "Nano probing of the membrane

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- J 42. L. Q. Amaral, R. Itri, P. Mariani, **R. Micheletto**, Structural Studies of the aggregates formed by the dinucleoside phosphate G2 in aqueous solution, *Liquid Crystals*, 1992, **12**, 6, 913-919
- J 43. T.S. Berzina, L.A. Feigin, **R. Micheletto**, F. Rustichelli, V.I. Troitsky, S.L. Vorobyova and L.G. Yanusova, Superlattices prepared from dielectric and two-component conducting LB Layers, *Thin Solid Films*, 210/211 (1992) 309-312

**Papers and Abstracts at International Conferences (国際学会論文) :**

- C1. **R. Micheletto**, K. Oikawa, "An optical Instability phenomena in the optical emission of InGaN devices", *Progress in Electromagnetics Research Symposium (PIERS 2011)*, March 19th-22th, Marrakesh, Morocco, abstract book, page 36
- C2. **R. Micheletto**, K. Oikawa, "Optical instabilities and blinking phenomena in the emission of InGaN quantum wells", *France-Japan Workshop on Nanophotonics*, Universite Paris13, campus de Villetaneuse, 4-5 Nov, 2010
- C3. H. Ishii, **R. Micheletto**, "Index of Refraction Sensors; Virtually Unlimited Sensing Power at Critical Angle", **OSA**, *Optical Sensors Conference*, Karlsruhe Germany, Kongresszentrum, 21-24 June (2010)
- C4. Anne Kuhnert, Ulrich T. Schwarz, Christian Feldmeier and **Ruggero Micheletto**, "Metal Nanoparticle Induced Blinking in Green InGaN Quantum Wells" 8th International Conference on Nitride Semiconductors, ICNS-8, Oct. 18-23, (2009), Jeju, Korea.
- C5. **R. Micheletto**, M. Allegrini and Y. Kawakami, "A near-field method for the analysis of the polarization properties of Quantum Dots", 10<sup>th</sup> International Conference on Near Field Optics, Nanophotonics and related techniques, Buenos Aires, Argentina, Sept 1-5, 2008, Abstracts, page P-94.
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and T. Mukai, "Blinking Luminous Centers in a InGaN Quantum Well", 15th International Conference on Superlattices, Nanostructures and Nanodevices ICSNN 2008, Aug 3-8 (2008), Natal, Brazil.

- C7. **R. Micheletto**, M. Abiko, Y. Kawakami, Y. Narukawa and T. Mukai, "Memory effects in the photoluminescence of InGaN materials", Physics in Light-Matter Coupling in nanostructures, Havana, Cuba, Apr 12-17 (2007), page 25
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- C10. **R. Micheletto**, D. Yamada, Y. Kawakami and M. Allegrini, "The study of InGaN materials with Polarization Modulation SNOM", CLEO 2006, Long Beach, California, May 2006, p114
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- C12. A. Ambrosio, M. Allegrini, **R. Micheletto**, P.G. Gucciardi, Y. Kawakami, O. Fenwick and F. Cacialli, "Thermal effects in near-field optical microscopy experiments", IQEC and CLEO-PR, 11-15 July 2005, Tokyo, Japan, p1162
- C13. **R. Micheletto**, S. Suzuki, Y. Narukawa, T. Mukai, Y. Kawakami, "The photoluminescence dynamics of InGaN quantum dots", Nano-optics Group Meeting, Keio University Hiyoshi campus, 4 Jul 2005.
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