

Peer-reviewed journal articles

1)-Surface-enhanced Raman scattering of SnO₂ bulk material and colloidal solutions

E. Fazio; F. Neri; S. Savasta; S. Spadaro S. Trusso

Physical review. B, Condensed matter and materials physics (Online) 85 (2012): 195423-1–195423-7.

<https://dx.doi.org/10.1103/PhysRevB.85.195423>

2)-Structural and spectroscopic features of lutein/butanoyl-beta-cyclodextrin nanoassemblies

Stancanelli, R; Lojkner, LD; Larsen, KL; Guardo, M; Cannava, C; Tommasini, S; Ventura, CA; Calabro, ML; Micali, N; Villari, V; Mazzaglia, A

Journal of pharmaceutical and biomedical analysis (Print) 71 (2012): 214–218.

<https://dx.doi.org/10.1016/j.jpba.2012.07.034>

3)-Scattering enhancement in colloidal metal-organic composite aggregates

Villari, V.; Fazio, B; De Luca, G; Trapani, M; Romeo, A; Scolaro, L.M; Castriciano, M.A.; Mazzaglia, A; Micali, N

Colloids and surfaces. A, Physicochemical and engineering aspects (Print) 413 (2012): 13–16.

<https://dx.doi.org/10.1016/j.colsurfa.2012.03.009>

4)-Reading of Protein Surfaces in the Native State at Micromolar Concentrations by a Chirogenetic Porphyrin Probe

Mineo, P; Micali, N; Villari, V; Donato, MG; Scamporrino, E

Chemistry (Weinh., Print) 18 (2012): 12452–12457.

<https://dx.doi.org/10.1002/chem.201200784>

5)-Modulated heterodyne light scattering set-up for measuring long relaxation time at small and wide angle

Leone, N; Villari, V; Micali, N

Review of scientific instruments 83 (2012): 083102.

<https://dx.doi.org/10.1063/1.4739775>

6)-Self-Assembled Calixarene Derivative as a Supramolecular Polymer

Villari, V; Gattuso, G; Notti, A; Pappalardo, A; Micali, N

The journal of physical chemistry. B 116 (2012): 5537–5541.

<https://dx.doi.org/10.1021/jp300848n>

7)-Amino acids recognition by water-soluble uncharged porphyrin tweezers: Spectroscopic evidences in high optical density solutions

Villari, V; Mineo, P; Scamporrino, E; Micali, N

Chemical physics (Print) 402 (2012): 118–123.

<https://dx.doi.org/10.1016/j.chemphys.2012.04.018>

8)-Water-soluble star polymers with a phthalocyanine as the core and poly(ethylene glycol) chains as branches

Mineo, P; Alicata, R; Micali, N; Villari, V; Scamporrino, E
Journal of applied polymer science (Print) 126 (2012): 1359–1368.
<https://dx.doi.org/10.1002/app.36631>

9)-Selection of supramolecular chirality by application of rotational and magnetic forces

Micali, N; Engelkamp, H; van Rhee, PG; Christianen, PCM; Scolaro, LM; Maan, JC
Nature chemistry (Print) 4 (2012): 201–207.
<https://dx.doi.org/10.1038/NCHEM.1264>

10)-Kinetic effects of tartaric acid on the growth of chiral J-aggregates of tetrakis(4-sulfonatophenyl)porphyrin

Castriciano, MA; Romeo, A; Zagami, R; Micali, N; Scolaro, LM
Chemical communications (Lond., 1996, Print) 48 (2012): 4872–4874.
<https://dx.doi.org/10.1039/c2cc00028h>

11)-Role of the hydrogen-bond in porphyrin J-aggregates

Villari, V; Mineo, P; Scamporrino, E; Micali, N
RSC advances 2 (2012): 12989–12998.
<https://dx.doi.org/10.1039/c2ra22260d>

12)-Effects of the intercalation time on the dielectric properties of Na₂xMn₁xPS₃

L. Silipigni; L. Schiro` ; L. Monsu` Scolaro; G. De Luca; G. Salvato
subjectLayered compoundssubjectIntercalation reactionssubjectImpedance spectroscopysubjectDielectric properties
Materials research bulletin 47 (2012): 2498-2505.
<http://dx.doi.org/10.1016/j.materresbull.2012.05.007>

info:cnr-pdr/source/autori:L. Silipigni, L. Schiro`, L. Monsu` Scolaro, G. De Luca, G. Salvato/titolo:Effects of the intercalation time on the dielectric properties of Na₂xMn₁xPS₃/

13)-Dynamical Line-Shifts in High-Field Electron Spin Resonance: Applications to Polymer Physics

Vasile Bercu; Massimo Martinelli; Luca Pardi; Carlo Andrea Massa; Dino Leporini
Zeitschrift für physikalische Chemie (Münch., 1991) 226 (2012): 1379–1394.
<https://dx.doi.org/10.1524/zpch.2012.0283>

14)-Electrically Controlled 1D and 2D Cholesteric Liquid Crystal Gratings

Hamdi R; Petriashvili G; De Santo MP; Lombardo G; Barberi, R
Molecular crystals and liquid crystals (Phila. Pa. : 2003) 553 (2012): 97–102.
<https://dx.doi.org/10.1080/15421406.2011.609436>

15)-Biomechanics of the Anterior Human Corneal Tissue Investigated with Atomic Force Microscopy

Lombardo M; Lombardo G; Carbone G; De Santo MP; Barberi R; Serrao, SsubjectCornea BiomechanicssubjectAFMsubjectindentationsubjectvisco-elastic response

Investigative ophthalmology & visual science 53 (2012): 1050–1057.

<https://dx.doi.org/10.1167/iovs.11-8720>

16)-Biaxial surface order dynamics in calamitic nematics

Lombardo G; Amoddeo, A; Hamdi R, Ayeb H; Barberi, R

The European physical journal. E, Soft matter (Print) 35 (2012).

<https://dx.doi.org/10.1140/epje/i2012-12032-y>

17)-Femtosecond laser photodisruptive effects on the posterior human corneal stroma investigated with atomic force microscopy

Serrao S; Lombardo M; De Santo MP; Lombardo G; Lomoriello DS, Ducoli P; Stirpe, M

European Journal of Ophthalmology (Testo stamp.) 22 (2012).

<https://dx.doi.org/10.5301/ejo.5000113>

18)-Surface and bulk contributions to nematic order reconstruction

Amoddeo A; Barberi R; Lombardo G

Physical review. E, Statistical, nonlinear, and soft matter physics (Print) 85 (2012).

<https://dx.doi.org/10.1103/PhysRevE.85.061705>

19)-Variations in image optical quality of the eye and the sampling limit of resolution of the cone mosaic with axial length in young adults

Lombardo M; Serrao S; Ducoli P; Lombardo Gsubjectottica adattivassubjectretinasubjectconessubjectmetric

Journal of cataract and refractive surgery 38 (2012): 1147–1155.

<https://dx.doi.org/10.1016/j.jcrs.2012.02.033>

20)-Histological validation of near-infrared reflectance multispectral imaging technique for caries detection and quantification

Salsone S; Taylor A; Gomez J; Pretty I; Ellwood R; Dickinson M; Lombardo G; Zakian, C

Journal of biomedical optics 17 (2012).

<https://dx.doi.org/10.1117/1.JBO.17.7.076009>

21)-Optimal parameters to improve the interface quality of the flap bed in femtosecond laser-assisted laser in situ keratomileusis

Serrao S; Buratto L; Lombardo G; De Santo MP; Ducoli P; Lombardo, M

Journal of cataract and refractive surgery 38 (2012).

<https://dx.doi.org/10.1016/j.jcrs.2012.05.021>

22)-Anthocyanins and betalains as light-harvesting pigments for dye-sensitized solar cells

Giuseppe Calogero; Jun-Ho Yumb; Alessandro Sinopoli; Gaetano Di Marco; Michael Gra'tzel; Mohammad Khaja Nazeeruddin/subject:Dye-sensitized solar cells; Natural dyes; Anthocyanins; Betalains; Solar energy; Titanium oxide

Solar energy (Print) 86 (2012): 1563–1575.

<http://www.cnr.it/prodotto/i/194368>

info:cnr-pdr/source/autori:Giuseppe Calogero, Jun-Ho Yumb, Alessandro Sinopoli, Gaetano Di Marco, Michael Gra'tzel, Mohammad Khaja Nazeeruddin/titolo:Anthocyanins and betalains as light-harvesting pigments for dye-sensitized solar cells/

23)-Thin-Film Photovoltaics 2011

Leonardo Palmisano and Gaetano DiMarco

International Journal of Photoenergy (Online) (2012).

<https://dx.doi.org/10.1155/2012/419715>

24)-POSS-tetraalkylammonium salts: A new class of ionic liquids

Cardiano; P.; Lazzara; G.; Manickam; S.; Mineo; P.; Milioto; S.; Lo Schiavo; S.

European journal of inorganic chemistry (Print) (2012): 5668–5676.

<https://dx.doi.org/10.1002/ejic.201200874>

25)-Supramolecular Polymer Networks Based on Calix[5]arene Tethered Poly(p-phenyleneethynylene)

Pappalardo; A.; Ballistreri; F.P.; Destri; G.L.; Mineo; P.G.; Tomaselli; G.A.; Toscano; R.M.; Trusso Sfrassetto; G.

Macromolecules (Print) 45 (2012): 7549–7556.

<https://dx.doi.org/10.1021/ma3015239>

26)-Properties of uncharged water-soluble tetra(?-methoxypolyethyleneoxy) phthalocyanine free base: Viable switching of the optical response by means of H₃O⁺ ions

Mineo; P.; Lupo; F.; Fragalà; I.; Scamporrino; E.; Gulino; A.

Journal of luminescence 132 (2012): 409–413.

<https://dx.doi.org/10.1016/j.jlumin.2011.08.048>

27)-The effect of hard segment molecular architecture on the physico-chemical properties in polyurethanes: the example of 4, 4'-diisocyanatodiphenylmethane and toluene diisocyanate

A. Bartolotta; P. Calandra

Global journal of physical chemistry (Print) 3 (2012): 12–21.

<http://www.cnr.it/prodotto/i/194451>

info:cnr-pdr/source/autori:A. Bartolotta, P. Calandra/titolo:The effect of hard segment molecular architecture on the physico-chemical properties in polyurethanes: the example of 4, 4'-diisocyanatodiphenylmethane and toluene diisocyanate/

28)-Growth of fractal aggregates during template directed SAPO-34 zeolite formation

Lucio Bonaccorsi; Pietro Calandra; Heinz Amenitsch; Edoardo Proverbio; Domenico Lombardo

Microporous and mesoporous materials (Print) XXX (2012).

<http://www.cnr.it/prodotto/i/194511>

info:cnr-pdr/source/autori:Lucio Bonaccorsi, Pietro Calandra, Heinz Amenitsch, Edoardo Proverbio, Domenico Lombardo,/titolo:Growth of fractal aggregates during template directed SAPO-34 zeolite formation/

29)-Modeling particle scattering structure factor for branched bio-inspired polymers in solution: A Small Angle X-ray scattering study

Lucio Bonaccorsi; Pietro Calandra; Edoardo Proverbio; Domenico Lombardo

Journal of Quantitative Spectroscopy & Radiative Transfer 113 (2012): 2536–2541.

<http://www.cnr.it/prodotto/i/194517>

info:cnr-pdr/source/autori:Lucio Bonaccorsi, Pietro Calandra, Edoardo Proverbio, Domenico Lombardo/titolo:Modeling particle scattering structure factor for branched bio-inspired polymers in solution: A Small Angle X-ray scattering study/

30)-Raman and IR spectroscopy of manganese superoxide dismutase, a pathology biomarker

David; C.; D'Andrea; C.; Lancelot; E.; Bochterle; J.; Guillot; N.; Fazio; B.; Maragò; O.M.; Sutton; A.; Charneau; N.; Neubrech; F.; Pucci; A.; Gucciardi; P.G.; De La Chapelle; M.L.

Vibrational spectroscopy (Print) 62 (2012): 50–58.

<http://www.cnr.it/prodotto/i/194548>

info:cnr-pdr/source/autori:David, C., D'Andrea, C., Lancelot, E., Bochterle, J., Guillot, N., Fazio, B., Maragò, O.M., Sutton, A., Charneau, N., Neubrech, F., Pucci, A., Gucciardi, P.G., De La Chapelle, M.L./titolo:Raman and IR spectroscopy of manganese superoxide dismutase, a pathology biomarker/

31)-Optical trapping of nanotubes with cylindrical vector beams

Donato; M.G.; Vasi; S.; Sayed; R.; Jones; P.H.; Bonaccorso; F.; Ferrari; A.C.; Gucciardi; P.G.; Maragò; O.M.

Optics letters (Online) 37 (2012): 3381–3383.

<http://www.cnr.it/prodotto/i/194555>

info:cnr-pdr/source/autori:Donato, M.G., Vasi, S., Sayed, R., Jones, P.H., Bonaccorso, F., Ferrari, A.C., Gucciardi, P.G., Maragò, O.M./titolo:Optical trapping of nanotubes with cylindrical vector beams/

32)-Tuning the structural and optical properties of gold/silver nano-alloys prepared by laser ablation in liquids for optical limiting, ultra-sensitive spectroscopy, and optical trapping

Messina; E.; D'Urso; L.; Fazio; E.; Satriano; C.; Donato; M.G.; D'Andrea; C.; Maragò; O.M.; Gucciardi; P.G.; Compagnini; G.; Neri; F.

Journal of Quantitative Spectroscopy & Radiative Transfer 113 (2012): 2490–2498.

<http://www.cnr.it/prodotto/i/194561>

info:cnr-pdr/source/autori:Messina, E., D'Urso, L., Fazio, E., Satriano, C., Donato, M.G., D'Andrea, C., Maragò, O.M., Gucciardi, P.G., Compagnini, G., Neri, F./titolo:Tuning the structural and optical properties of gold/silver nano-alloys prepared by laser ablation in liquids for optical limiting, ultra-sensitive spectroscopy, and optical trapping/

33)-Modeling particle scattering structure factor for branched bio-polymers in solution: A X-ray scattering study

Pietro Calandra; Mikhail A. Kiselev; Domenico Lombardo

Atti della Accademia Peloritana dei Pericolanti. Classe di Scienze Fisiche, Matematiche e Naturali (Online) 89 (2012): P020-1–P020-5.

<http://www.cnr.it/prodotto/i/194562>

info:cnr-pdr/source/autori:Pietro Calandra, Mikhail A. Kiselev, Domenico Lombardo/titolo:Modeling particle scattering structure factor for branched bio-polymers in solution: A X-ray scattering study/

34)-Elastic and anelastic properties of densified vitreous B2O3: Relaxations and anharmonicity

Giovanni Carini Jr.; Giuseppe Carini; Gaspare Tripodo; Gaetano Di Marco; Edmondo Giliolisubject61.43.Fssubject62.40.+isubject62.65.+k

Physical review. B, Condensed matter and materials physics (Online) 85 (2012): 094201-1.

<https://dx.doi.org/10.1103/PhysRevB.85.094201>

35)-Quantum confinement and electroluminescence in ultrathin silicon nanowires fabricated by a maskless etching technique

A Irrera; P Artoni; F Iacona; E F Pecora; G Franzò; M Galli; B Fazio; S Boninelli; F Priolo
Nanotechnology (Bristol, Online) 23 (2012): 075204–075210.

<https://dx.doi.org/10.1088/0957-4484/23/7/075204>

36)-An alternative dielectric model for low and high frequencies: A non-equilibrium thermodynamic approach

Farsaci Francesco; Rogolino PatriziasubjectDielectric modelsubjectrelaxation phenomenasubjectinternal variablesubjectnon-equilibrium

Journal of non-equilibrium thermodynamics (Internet) 37 (2012): 27–41.

<https://dx.doi.org/10.1515/jnet.2011.024>

37)-An alternative dielectric model for low and high frequencies:A non-equilibrium thermodynamic approach

Farsaci Francesco; Rogolino Patrizia

Journal of non-equilibrium thermodynamics (Internet) 37 (2012): 27–41.

<https://dx.doi.org/10.1515/jnet.2011.024>

38)-ON EVALUATION OF ELECTRIC CONDUCTIVITY BY MEAN OF A THERMODYNAMICAL MODEL FOR DIELECTRIC RELAXATION PHENOMENA. AN APPLICATION TO LIVER TISSUE.

VINCENZO CIANCIO AND FRANCESCO FARSACI

Atti della Accademia Peloritana dei Pericolanti. Classe di Scienze Fisiche, Matematiche e Naturali (Online) 90 (2012): 1–10.

<http://www.cnr.it/prodotto/i/194850>

info:cnr-pdr/source/autori:VINCENZO CIANCIO AND FRANCESCO FARSACI/titolo:ON EVALUATION OF ELECTRIC CONDUCTIVITY BY MEAN OF A THERMODYNAMICAL MODEL FOR DIELECTRIC RELAXATION PHENOMENA. AN APPLICATION TO LIVER TISSUE./

39)-Spontaneous self-assembly of water-soluble porphyrins having poly(ethylene glycol) as branches: Dependence of aggregate properties from the building block architecture

Villari; V.; Mineo; P.; Scamporrino; E.; Micali; N.

Chemical physics (Print) 409 (2012): 23–31.

<https://dx.doi.org/10.1016/j.chemphys.2012.09.022>

40)-The dynamical crossover phenomenon in bulk water, confined water and protein hydration water

Mallamace F.; Corsaro C.; Baglioni P.; Fratini E.; Chen S.H.subjectBulk watersubjectConfined watersubjectDensity relaxationsubjectDynamic propertysubjectDynamical crossover

Journal of physics. Condensed matter (Online) 24 (2012): Article number 064103.

<https://dx.doi.org/10.1088/0953-8984/24/6/064103>

41)-The dynamic crossover in water does not require bulk water

Turton D.A.; Corsaro C.; Martin D.F.; Mallamace F.; Wynne K.

Physical chemistry chemical physics (Online) 14 (2012): 8067–8073.

<https://dx.doi.org/10.1039/c2cp40703e>

42)-New Interferometric Technique To Evaluate the Electric Charge of Gas Bubbles in Liquids

Corti, M 1,2; Bonomo, M 1; Raudino, A 3subjectAIR/WATER INTERFACESubjectAQUEOUS-SOLUTIONSsubjectWATERsubjectFOAM

Langmuir 28 (2012): 6060–6066.

<https://dx.doi.org/10.1021/la3003542>

43)-The dynamical crossover phenomenon in bulk water, confined water and protein hydration water

Mallamace, F (Mallamace, Francesco)1,2,3; Corsaro, C (Corsaro, Carmelo)2,3,4; Baglioni, P (Baglioni, Piero)5,6; Fratini, E (Fratini, Emiliano)5,6; Chen, SH (Chen, Sow-Hsin)1subjectINELASTIC NEUTRON-SCATTERINGsubjectNUCLEAR-MAGNETIC-RESONANCEsubjectSTOKES-EINSTEIN RELATIONsubjectSUPERCOOLED WATER
Journal of physics. Condensed matter (Print) 24 (2012): Article Number: 064103.
<https://dx.doi.org/10.1088/0953-8984/24/6/064103>

44)-The dynamic crossover in water does not require bulk water

Turton, DA (Turton, David A.)1,2,3; Corsaro, C (Corsaro, Carmelo)4; Martin, DF (Martin, David F.)3; Mallamace, F (Mallamace, Francesco)4; Wynne, K (Wynne, Klaas)1,2subjectSTOKES-EINSTEIN RELATIONsubjectPROTEIN HYDRATION WATERsubjectLOW-FREQUENCY SPECTRUM
PCCP. Physical chemistry chemical physics (Print) 14 (2012): 8067–8073.
<https://dx.doi.org/10.1039/c2cp40703e>

45)-Temperature dependence and aging effects on silicon nanowires photoluminescence

Artoni Pietro; Irrera Alessia; Iacona Fabio; Pecora Emanuele Francesco; Franzò Giorgia; Priolo Francesco
Optics express 20 (2012).
<http://www.cnr.it/prodotto/i/197358>

info:cnr-pdr/source/autori:Artoni Pietro; Irrera Alessia; Iacona Fabio; Pecora Emanuele Francesco; Franzò Giorgia; Priolo Francesco/titolo:Temperature dependence and aging effects on silicon nanowires photoluminescence/

46)-Evanescent wave optical trapping and transport of micro- and nanoparticles on tapered optical fibers

Skelton S.E.; Sergides M.; Patel R.; Karczewska E.; Marago' O.M.; Jones P.H.
Journal of Quantitative Spectroscopy & Radiative Transfer 113 (2012): 2512–2520.
<https://dx.doi.org/10.1016/j.jqsrt.2012.06.005>

47)-Trapping and deformation of microbubbles in a dual-beam fibre-optic trap

Skelton S.E.; Sergides M.; Memoli G.; Marago' O.M.; Jones P.H.
Journal of optics (Print) 14 (2012): 075706.
<https://dx.doi.org/10.1088/2040-8978/14/7/075706>

48)-A facile and ecofriendly functionalization of multiwalled carbon nanotubes by an old mesoionic compound

Grassi, Giovanni; Scala, Angela; Piperno, Anna; Iannazzo, Daniela; Lanza, Maurizio; Milone, Candida; Pistone, Alessandro; Galvagno, Signorinosubjectampholyte; multi walled nanotube; oxazolone; carbon dioxide excretion; covalent bond; cycloaddition; electric conductivity; green chemistry; Raman spectrometry; reaction time
Chemical communications (Lond., 1996, Online) 48 (2012): 6836–6838.
<https://dx.doi.org/10.1039/c2cc31884a>

49)-A free-standing aligned-carbon-nanotube/nanocomposite foil as an efficient counter electrode for dye solar cells

Malara, Francesco; Manca, Michele; Lanza, Maurizio; Huebner, Christof; Piperopoulos, Elpida; Gigli, Giuseppe

Energy & environmental science (Print) 5 (2012): 8377–8383.

<https://dx.doi.org/10.1039/c2ee21569a>

50)-Coumarin-Conjugated Multiwalled Carbon Nanotubes for Potential Biological Applications: Development and Characterization

Iannazzo, D.; Piperno, A.; Romeo, G.; Romeo, R.; Ferlazzo, A.; Pistone, A.; Lanza, M.; Milone, C.

Journal of nanoscience and nanotechnology (Print) 12 (2012): 5030–5038.

<http://www.cnr.it/prodotto/i/199164>

info:cnr-pdr/source/autori:Iannazzo, D.; Piperno, A.; Romeo, G.; Romeo, R.; Ferlazzo, A.; Pistone, A.; Lanza, M.; Milone, C./titolo:Coumarin-Conjugated Multiwalled Carbon Nanotubes for Potential Biological Applications: Development and Characterization/

51)-Effect of Fe load on the synthesis of C nanotubes by isobutane decomposition over Na-exchanged montmorillonite-clay catalysts

Santangelo, S.; Messina, G.; Piperopoulos, E.; Lanza, M.; Faggio, G.; Milone, C.

Diamond and related materials 23 (2012): 54–60.

<http://www.cnr.it/prodotto/i/199152>

info:cnr-pdr/source/autori:Santangelo, S.; Messina, G.; Piperopoulos, E.; Lanza, M.; Faggio, G.; Milone, C./titolo:Effect of Fe load on the synthesis of C nanotubes by isobutane decomposition over Na-exchanged montmorillonite-clay catalysts/

52)-Functionalization of multi-walled carbon nanotubes with coumarin derivatives and their biological evaluation

Iannazzo, Daniela; Piperno, Anna; Ferlazzo, Angelo; Pistone, Alessandro; Milone, Candida; Lanza, Maurizio; Cimino, Francesco; Speciale, Antonio; Trombetta, Domenico; Saija, Antonina; Galvagno, Signorino

Organic & biomolecular chemistry 10 (2012): 1025–1031.

<http://www.cnr.it/prodotto/i/199145>

info:cnr-pdr/source/autori:Iannazzo, Daniela; Piperno, Anna; Ferlazzo, Angelo; Pistone, Alessandro; Milone, Candida; Lanza, Maurizio; Cimino, Francesco; Speciale, Antonio; Trombetta, Domenico; Saija, Antonina; Galvagno, Signorino/titolo:Functionalization of multi-walled carbon nanotubes with coumarin derivatives and their biological evaluation/

53)-Growth and Analysis of C Nanotubes on Ceramic Polymer-Additives

Santangelo, S.; Piperopoulos, E.; Lanza, M.; Milone, C.

Journal of nanoscience and nanotechnology (Print) 12 (2012): 4786–4797.

<http://www.cnr.it/prodotto/i/199165>

info:cnr-pdr/source/autori:Santangelo, S.; Piperopoulos, E.; Lanza, M.; Milone, C./titolo:Growth and Analysis of C Nanotubes on Ceramic Polymer-Additives/

54)-Morphological Modification of MWCNT Functionalized with HNO₃/H₂SO₄ Mixtures

Pistone, A.; Ferlazzo, A.; Lanza, M.; Milone, C.; Iannazzo, D.; Piperno, A.; Piperopoulos, E.; Galvagno, S.

Journal of nanoscience and nanotechnology (Print) 12 (2012): 5054–5060.

<http://www.cnr.it/prodotto/i/199161>

info:cnr-pdr/source/autori:Pistone, A.; Ferlazzo, A.; Lanza, M.; Milone, C.; Iannazzo, D.; Piperno, A.; Piperopoulos, E.; Galvagno, S./titolo:Morphological Modification of MWCNT Functionalized with HNO₃/H₂SO₄ Mixtures/

55)-Optimization of CVD growth of CNT-based hybrids using the Taguchi method

Santangelo, S.; Lanza, M.; Piperopoulos, E.; Galvagno, S.; Milone, C.

Materials research bulletin 47 (2012): 595–601.

<http://www.cnr.it/prodotto/i/199150>

info:cnr-pdr/source/autori:Santangelo, S.; Lanza, M.; Piperopoulos, E.; Galvagno, S.; Milone, C./titolo:Optimization of CVD growth of CNT-based hybrids using the Taguchi method/

56)-Optimized CVD Production of CNT-Based Nanohybrids by Taguchi Robust Design

Santangelo, S.; Lanza, M.; Piperopoulos, E.; Milone, C.

Journal of nanoscience and nanotechnology (Print) 12 (2012): 2424–2436.

<http://www.cnr.it/prodotto/i/199158>

info:cnr-pdr/source/autori:Santangelo, S.; Lanza, M.; Piperopoulos, E.; Milone, C./titolo:Optimized CVD Production of CNT-Based Nanohybrids by Taguchi Robust Design/

57)-The nature of interstellar dust as revealed by light scattering

C. Cecchi-Pestellini; M.A. Iatì; D. A. Williams

Journal of Quantitative Spectroscopy & Radiative Transfer 113 (2012): 2310–2320.

<https://dx.doi.org/10.1016/j.jqsrt.2012.02.039>

58)-A singular thermodynamically consistent temperature at the origin of the anomalous behavior of liquid water

Mallamace, F (Mallamace, Francesco)[1,2,3,4,5]; Corsaro, C (Corsaro, Carmelo)[1,2]; Stanley, HE (Stanley, H. Eugene)[4,5]subjectSTOKES-EINSTEIN RELATIONsubjectSUPERCOOLED WATERsubjectCONFINED WATERsubjectHIGH-PRESSURE

Scientific reports (Nature Publishing Group) 2 (2012): Article Number: 993.

<https://dx.doi.org/10.1038/srep00993>

59)-Adaptive Optics Photoreceptor Imaging

M. Lombardo; G. Lombardo; P. Ducoli; S. Serrao subjectADAPTIVE OPTICSsubjectCONES DENSITYsubjectRETINA

Ophthalmology (Rochester Minn.) 119 (2012): 1498–1498.

<http://www.cnr.it/prodotto/i/212992>

info:cnr-pdr/source/autori:M. Lombardo, G. Lombardo, P. Ducoli, S. Serrao/titolo:Adaptive Optics Photoreceptor Imaging/

60)-Au nanoparticle arrays produced by Pulsed Laser Deposition for Surface Enhanced Raman Spectroscopy

N.R. Agarwal; F. Neri; S. Trusso; A. Lucotti; P.M. Ossi

Applied surface science 258 (2012): 9148–9152.

<https://dx.doi.org/10.1016/j.apsusc.2011.12.030>

61)-All-optical and thermal tuning of a Bragg grating based on photosensitive composite structures containing liquid crystals

Gilardi; G. 1; Asquini; R.1; D'Alessandro; A. 1; Beccherelli; R.2; De Sio; L. 3; Umeton; C.3subjectAll-opticalsubjectChannel waveguidesubjectFiltering effectssubjectLow PowersubjectOptical signalssubjectopto-optical effectssubjectPhotocurable polymerssubjectPump lightsubjectTemperature variationssubjectThermal tuningsubjectWaveguide gratingsubjectBorosilicate glasssubjectIon exchangesubjectLiquid crystalssubjectOptical waveguidessubjectWaveguide filters

Molecular crystals and liquid crystals (Phila. Pa. : 2003) 558 (2012): 64–71.

<https://dx.doi.org/10.1080/15421406.2011.653680>

62)-Low-Energy Vibrational Dynamics of Cesium Borate Glasses

Crupi; C.; D'Angelo; G.; Vasi; C.subjectRAMAN-SCATTERINGsubjectTHERMAL-CONDUCTIVITYsubjectCRYSTAL-STRUCTUREsubjectBOSON

PEAKsubjectHEATsubjectTRIBORATEsubjectB2O3subjectRADIISubjectGE

The journal of physical chemistry. B 116 (2012): 6499–6505.

<https://dx.doi.org/10.1021/jp301230s>

63)-Nanopatterning of silicon nanowires for enhancing visible photoluminescence

Pecora, Emanuele Francesco; Lawrence, Nate; Gregg, Patrick; Trevino, Jacob; Artoni, Pietro; Irrera, Alessia; Priolo, Francesco; Dal Negro, Luca

Nanoscale (Print) 4 (2012): 2863–2866.

<https://dx.doi.org/10.1039/c2nr30165b>

64)-Modeling particle scattering structure factor for branched bio-inspired polymers in solution: A small angle X-ray scattering study

Bonaccorsi, Lucio; Calandra, Pietro; Proverbio, Edoardo; Lombardo, DomenicosubjectX-rays ScatteringsubjectStructure factor analysissubjectSpectral lineshape modeling

Journal of Quantitative Spectroscopy & Radiative Transfer 113 (2012): 266–271.

<https://dx.doi.org/10.1016/j.jqsrt.2012.06.015>

65)-Structure of bulk water from Raman measurements of supercooled pure liquid and LiCl solutions

Aliotta F; Pochylski M; Ponterio RC; Saija F; Salvato G; Vasi CS

Physical review. B, Condensed matter and materials physics 86 (2012): 134301.

<https://dx.doi.org/10.1103/PhysRevB.86.134301>

66)-Model interactions for liquid systems with tetrahedral local coordination

Malescio G; Saija FsubjectStructure of liquidssubjectGeneral studies of phase transitionssubjectComputer simulation of liquid structure

La Rivista del nuovo cemento della Società italiana di fisica (Testo stamp.) 35 (2012): 539–574.

<https://dx.doi.org/10.1393/ncr/i2012-10081-x>

67)-Hexatic phase and water-like anomalies in a two-dimensional fluid of particles with a weakly softened core

Prestipino S; Saija F; Giaquinta PV

The Journal of chemical physics 137 (2012): 104503.

<https://dx.doi.org/10.1063/1.4749260>

68)-Fourth virial coefficients of asymmetric nonadditive hard-disk mixtures

Saija F.; Santos A.; Yuste S. B.; Lopez de Haro M.subjecthard-disk; equation of state; virial expansion

The Journal of chemical physics 136 (2012): 184505.

<https://dx.doi.org/10.1063/1.4712035>

69)-Ab Initio Molecular Dynamics Study of Dissociation of Water under an Electric Field

Saitta A. M.; Saija F.; Giaquinta P. V.subjectautoionization water; ab-initio molecular dynamics

Physical review letters 108 (2012): 207801.

<https://dx.doi.org/10.1103/PhysRevLett.108.207801>

70)-Surface Quality of Femtosecond Dissected Posterior Human Corneal Stroma Investigated With Atomic Force Microscopy

M. Lombardo; M. P. De Santo; G. Lombardo; D. Schiano Lomoriello; G. Desiderio; P. Ducoli; R. Barberi; S. Serrasubjectatomic force microscopy; surface roughness; precut tissue; DSAEK
Cornea 31 (2012): 1369–1375.

<https://dx.doi.org/10.1097/ICO.0b013e31823f774c>

71)-Adaptive Optics Photoreceptor Imaging

Lombardo, Marco; Lombardo, Giuseppe; Ducoli, Pietro; Serrao, Sebastianosubjectcone densitysubjectcone arrangementsubjectrodssubjectretinasubjectadaptive optics

Ophthalmology (Rochester Minn.) 119 (2012): 1498–1498.

<http://www.cnr.it/prodotto/i/335591>

info:cnr-pdr/source/autori:Lombardo, Marco; Lombardo, Giuseppe; Ducoli, Pietro; Serrao, Sebastiano/titolo:Adaptive Optics Photoreceptor Imaging/

72)-Tuning the structural and optical properties of gold/silver nano-alloys prepared by laser ablation in liquids for optical limiting, ultra-sensitive spectroscopy, and optical trapping

Messina, E.; D'Urso, L.; Fazio, E.; Satriano, C.; Donato, M. G.; D'Andrea, C.; Marago, O. M.; Gucciardi, P. G.; Compagnini, G.; Neri, F.subjectPulsed laser ablationsubjectMetallic nanoparticlessubjectLight scatteringsubjectOptical propertiessubjectOptical limitingsubjectSERSsubjectRaman optical tweezers

Journal of Quantitative Spectroscopy & Radiative Transfer 113 (2012): 220–228.

<https://dx.doi.org/10.1016/j.jqsrt.2012.06.023>

73)-Optical trapping of nanotubes with cylindrical vector beams

Donato, M. G.; Vasi, S.; Sayed, R.; Jones, P. H.; Bonaccorso, F.; Ferrari, A. C.; Gucciardi, P. G.; Marago, O. M.subjectoptical trapping

Optics letters 37 (2012): 3381–3383.

<http://www.cnr.it/prodotto/i/339201>

info:cnr-pdr/source/autori:Donato, M. G.; Vasi, S.; Sayed, R.; Jones, P. H.; Bonaccorso, F.; Ferrari, A. C.; Gucciardi, P. G.; Marago, O. M./titolo:Optical trapping of nanotubes with cylindrical vector beams/

74)-Emerging dynamics in surfactant-based liquid mixtures: Octanoic acid/bis(2-ethylhexyl) amine systems

Pietro Calandra; Andrea Mandanici; Vincenzo Turco Liveri; Mikolaj Pochylski; Francesco Aliotta.subject..

THE JOURNAL OF CHEMICAL PHYSICS (2012).

<http://www.cnr.it/prodotto/i/195731>

info:cnr-pdr/source/autori:Pietro Calandra, Andrea Mandanici, Vincenzo Turco Liveri, Mikolaj Pochylski and Francesco Aliotta/titolo:Emerging dynamics in surfactant-based liquid mixtures: Octanoic acid/bis(2-ethylhexyl) amine systems/

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Other publications (journals without peer review, book reviews,etc.)

1)-Light scattering enhancement in porphyrin nanocomposites

Villari, V; Fazio, B; Micali, N; De Luca, G; Corsaro, C; Romeo, A; Scolaro, LM; Castriciano, MA; Mazzaglia, A

Complex Materials in Physics and Biology, edited by Mallamace, F; Stanley H.E., pp. 335–340. Bologna: SIF Edizioni Scientifiche, 2012

<https://dx.doi.org/10.3254/978-1-61499-071-0-335>

info:cnr-pdr/source/autori:Villari, V; Fazio, B; Micali, N; De Luca, G; Corsaro, C; Romeo, A; Scolaro, LM; Castriciano, MA; Mazzaglia, A/titolo:Light scattering enhancement in porphyrin nanocomposites/titolo_volume:Complex Materials in Physics and Biology/curatori_volume:Mallamace, F; Stanley H.E./editore:

/anno:2012

2)-Aggregation of porphyrin-based cyclic supramolecular architectures

Villari, V; Micali, N; Mineo, P; Scamporrino, E; Corsaro, C

Complex materials in Physics and Biology, edited by Mallamace, F; Stanley, EH, pp. 361–369. Bologna: SIF Edizioni Scientifiche, 2012

<urn:isbn:978-1-61499-070-3>

info:cnr-pdr/source/autori:Villari, V; Micali, N; Mineo, P; Scamporrino, E; Corsaro, C/titolo:Aggregation of porphyrin-based cyclic supramolecular architectures/titolo_volume:Complex materials in Physics and Biology/curatori_volume:Mallamace, F; Stanley, EH/editore:

/anno:2012

3)-Evidence of a finite screening length of the repulsive potential among copolymer micelles in a room temperature ionic liquid

Villari, V; Micali, N; Triolo, A/subject:micelles

Complex Materials in Physics and Biology, edited by F. Mallamace and H.E. Stanley, pp. 347–360. Bologna: SIF Edizioni Scientifiche, 2012

<urn:isbn:978-1-61499-070-3>

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/anno:2012

4)-Topological textural transition in nematics

Hamdi, R.; Barberi, R.; Lombardo G.; Caldera T.; Cosenza F.; Pucci G

24th International Liquid Crystal Conference 2012, Mainz Germany, August 19th - 24th 2012

<http://www.cnr.it/prodotto/i/193097>

info:cnr-pdr/source/autori:Hamdi, R., Barberi, R. , Lombardo G. , Caldera T. , Cosenza F. , Pucci G/congresso_nome:24th International Liquid Crystal Conference 2012/congresso_luogo:Mainz Germany/congresso_data:August 19th - 24th 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

5)-Variations of the eye's image optical quality and the sampling limit of resolution of the cone mosaic with axial length

M. Lombardo; S. Serrao; P. Ducoli; G. Lombardo

ARVO 2012, Ft. Lauderdale, Fl - USA, 6-10 Maggio 2012

<http://www.cnr.it/prodotto/i/193120>

info:cnr-pdr/source/autori:M. Lombardo, S. Serrao, P. Ducoli, G. Lombardo/congresso_nome:ARVO 2012/congresso_luogo:Ft. Lauderdale, Fl - USA/congresso_data:6-10 Maggio 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

6)-Thin-Film Photovoltaics 2011

Leonardo Palmisano; Vincenzo Aguglia; Gaetano Di Marco; Mario Pagliaro

2012

<http://www.cnr.it/prodotto/i/194419>

info:cnr-pdr/source/autori:Leonardo Palmisano, Vincenzo Aguglia, Gaetano Di Marco, Mario Pagliaro/titolo:Thin-Film Photovoltaics 2011/editore:/anno:2012

7)-Porous Nanostructures Formation using Polyamidoamine Dendrimers as Template

Lucio Bonaccorsi; Pietro Calandra; Edoardo Proverbio; Domenico Lombardo

Advances in Zeolite Science and Technology, pp. 57-60, Napoli, 14-17 September 2011

[urn:isbn:978-88-89976-33-3](http://www.isbn:978-88-89976-33-3)

info:cnr-pdr/source/autori:Lucio Bonaccorsi, Pietro Calandra, Edoardo Proverbio, Domenico Lombardo/congresso_nome:Advances in Zeolite Science and Technology/congresso_luogo:Napoli/congresso_data:14-17 September 2011/anno:2012/pagina_da:57/pagina_a:60/intervallo_pagine:57-60

8)-Branched Polymer Nanosystems: Interaction in solution and applications

Domenico Lombardo

7th SOLEIL Users' Meeting, (Palaiseau - PARIS) France, 18-19 Gennaio 2012

<http://www.cnr.it/prodotto/i/194538>

info:cnr-pdr/source/autori:Domenico Lombardo/congresso_nome:7th SOLEIL Users' Meeting/congresso_luogo:(Palaiseau - PARIS) France/congresso_data:18-19 Gennaio 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

9)-Zeolite Nanoparticles formation using a Dendrimer Template

L. Bonaccorsi; P. Calandra; E. Proverbio; D. Lombardo

MAMA-HYBRIDS - Multifunctional Hybrids and Organics, Ischia (Napoli) Italia, 22-24 Ottobre 2012

<http://www.cnr.it/prodotto/i/194547>

info:cnr-pdr/source/autori:L. Bonaccorsi, P. Calandra, E. Proverbio and D. Lombardo/congresso_nome:MAMA-HYBRIDS - Multifunctional Hybrids and Organics/congresso_luogo:Ischia (Napoli) Italia/congresso_data:22-24 Ottobre 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

10)-Dendrimer Template Directed SelfAssembly during Zeolite Formation

D. Lombardo; L. Bonaccorsi; P. Calandra; E. Proverbio

IPCF-Meeting, Cetraro, 21-23 Maggio 2012

<http://www.cnr.it/prodotto/i/194558>

info:cnr-pdr/source/autori:D. Lombardo, L. Bonaccorsi, P. Calandra, E. Proverbio/congresso_nome:IPCF-Meeting/congresso_luogo:Cetraro/congresso_data:21-23 Maggio 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

11)-Electromagnetic and light scattering XIII

Borghese; F.; Saija; R.; Gucciardi; P.G.; Antonia Iatì; M.; Maragò; O.M.

Journal of Quantitative Spectroscopy and Radiative Transfer, pp. 2277-2279, 2012

<http://www.cnr.it/prodotto/i/194564>

info:cnr-pdr/source/autori:Borghese, F., Saija, R., Gucciardi, P.G., Antonia Iatì, M., Maragò, O.M./titolo:Electromagnetic and light scattering XIII/titolo_volume:Journal of Quantitative Spectroscopy and Radiative Transfer/curatori_volume:/editore:/anno:2012

12)-Laser induced aggregation of gold nanorods for SERS biosensing in liquid environment

B. Fazio; C. D'Andrea; E. Messina; V. Villari; N. Micali; O. M. Maragò; G. Calogero; P. G. Gucciardi

1st INTERNATIONAL CONFERENCE ON ENHANCED SPECTROSCOPY (ICES 2012), Porquerolle (France), Oct, 3-5

<http://www.cnr.it/prodotto/i/194637>

info:cnr-pdr/source/autori:B. Fazio, C. D'Andrea, E. Messina, V. Villari, N. Micali, O. M. Maragò, G. Calogero and P. G. Gucciardi/congresso_nome:1st INTERNATIONAL CONFERENCE ON ENHANCED SPECTROSCOPY (ICES 2012)/congresso_luogo:Porquerolle (France)/congresso_data:Oct, 3-5/anno:2012/pagina_da:/pagina_a:/intervallo_page:

13)-Laser induced aggregation of gold nanorods for SERS biosensing in liquid environment

Barbara Fazio; Cristiano D'Andrea; Valentina Villari; Norberto Micali; Onofrio Maragò; Giuseppe Calogero; Pietro Giuseppe Gucciardi

Analytix-2012, Beijing - China, March 23-25

<http://www.cnr.it/prodotto/i/194639>

info:cnr-pdr/source/autori:Barbara Fazio , Cristiano D'Andrea, Valentina Villari, Norberto Micali, Onofrio Maragò, Giuseppe Calogero and Pietro Giuseppe Gucciardi/congresso_nome:Analytix-2012/congresso_luogo:Beijing - China/congresso_data:March 23-25/anno:2012/pagina_da:/pagina_a:/intervallo_page:

14)-Laser induced aggregation of gold nanorods for SERS biosensing in liquid environment

Barbara Fazio; Cristiano D'Andrea; Valentina Villari; Norberto Micali; Onofrio Maragò; Giuseppe Calogero; Pietro Giuseppe Gucciardi

CNR - Institute for Chemical-Physical Processes - 1st GENERAL MEETING 2012, Cetraro (Cosenza), May, 21-23

<http://www.cnr.it/prodotto/i/194641>

info:cnr-pdr/source/autori:Barbara Fazio , Cristiano D'Andrea, Valentina Villari, Norberto Micali, Onofrio Maragò, Giuseppe Calogero and Pietro Giuseppe Gucciardi/congresso_nome:CNR - Institute for Chemical-Physical Processes - 1st GENERAL MEETING 2012/congresso_luogo:Cetraro (Cosenza)/congresso_data:May, 21-23/anno:2012/pagina_da:/pagina_a:/intervallo_page:

15)-Efficienza fotocatalitica di sub-strati di TiO₂ permanentemente densificato

Carini G. Jr; Di Marco G.; Tripodo G.; Edi Gilioli

XCVIII Congresso Nazionale, Società Italiana di Fisica, Napoli, 17-21 Settembre 2012

<http://www.cnr.it/prodotto/i/194933>

info:cnr-pdr/source/autori:Carini G. Jr , Di Marco G., Tripodo G., Edi Gilioli/congresso_nome:XCVIII Congresso Nazionale, Società Italiana di Fisica/congresso_luogo:Napoli/congresso_data:17-21 Settembre 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

16)-Low-energy vibration excess in densified B2O3 glasses

Giovanni Carini Jr; Gaspare Tripodo; Giovanna D'Angelo; Gaetano Di Marco; Edmondo Gilioli³; Cirino Vasi

XCVIII Congresso Nazionale, Società Italiana di Fisica, Napoli, 17-21 Settembre

<http://www.cnr.it/prodotto/i/194934>

info:cnr-pdr/source/autori:Giovanni Carini Jr, Gaspare Tripodo, Giovanna D'Angelo, Gaetano Di Marco, Edmondo Gilioli³, Cirino Vasi/congresso_nome:XCVIII Congresso Nazionale, Società Italiana di Fisica/congresso_luogo:Napoli/congresso_data:17-21 Settembre/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

17)-Raman optical trapping of carbon nanotubes and graphene

M. G. Donato; P. G. Gucciardi; S. Vasi; M. Monaca; R. Sayed; G. Calogero; P.H. Jones; O.M. Maragò

Workshop on Carbon-based low-dimensional Materials, Catania, 5-7 December 2011

<urn:isbn:978-88-8080-124-5>

info:cnr-pdr/source/autori:M. G. Donato, P. G. Gucciardi, S. Vasi, M. Monaca, R. Sayed, G. Calogero, P.H. Jones, O.M. Maragò/congresso_nome:Workshop on Carbon-based low-dimensional Materials/congresso_luogo:Catania/congresso_data:5-7 December 2011/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

18)-Shaping of the trapping volume in optical tweezers using cylindrical vector beams

S.E. Skelton; M. Sergides; M.G. Donato; S. Vasi; R. Sayed; P.G. Gucciardi; R. Saija; M.A. Iatì; O.M. Marago; P.H. Jones

SPIE, 2012

<https://dx.doi.org/10.1117/12.929927>

info:cnr-pdr/source/autori:S.E. Skelton, M. Sergides, M.G. Donato, S. Vasi, R. Sayed, P.G. Gucciardi, R. Saija, M.A. Iatì, O.M. Marago, P.H. Jones/congresso_nome:SPIE/congresso_luogo:/congresso_data:2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

19)-Optical trapping of nanostructures

O.M. Maragò; M.G. Donato; A. Irrera; B. Fazio; P.G. Gucciardi; M.A. Iatì; C. D'Andrea; M. Monaca; E. Messina; R. Sayed; S. Vasi; R. Saija; S. Savasta

XCVIII Congresso Nazionale della Società Italiana di Fisica, Napoli, 17-21 Settembre 2012

<http://www.cnr.it/prodotto/i/196047>

info:cnr-pdr/source/autori:O.M. Maragò, M.G. Donato, A. Irrera, B. Fazio, P.G. Gucciardi, M.A. Iatì, C. D'Andrea, M. Monaca, E. Messina, R. Sayed, S. Vasi, R. Saija, S. Savasta/congresso_nome:XCVIII Congresso Nazionale della Società Italiana di Fisica/congresso_luogo:Napoli/congresso_data:17-21 Settembre 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

20)-Intracavity optical trapping with feedback-locked diode lasers

R. Sayed; Y. Tuna; M. G. Donato; P. G. Gucciardi; G. Volpe; O. M. Maragò
International OSA Network of Students 2012 (IONS-12), Napoli, 4-7 Luglio 2012
<http://www.cnr.it/prodotto/i/196048>

info:cnr-pdr/source/autori:R. Sayed, Y. Tuna, M. G. Donato, P. G. Gucciardi, G. Volpe, O. M. Maragò/congresso_nome:International OSA Network of Students 2012 (IONS-12)/congresso_luogo:Napoli/congresso_data:4-7 Luglio 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

21)-Optical Trapping of Carbon Nanotubes and Femtonewton Force Sensing

S. Vasi; M. Monaca; R. Sayed; M.G. Donato; P.G. Gucciardi; O. M. Maragò
International OSA Network of Students 2012 (IONS-12), Napoli, 4-7 Luglio 2012
<http://www.cnr.it/prodotto/i/196051>

info:cnr-pdr/source/autori:S. Vasi, M. Monaca, R. Sayed, M.G. Donato, P.G. Gucciardi, O. M. Maragò/congresso_nome:International OSA Network of Students 2012 (IONS-12)/congresso_luogo:Napoli/congresso_data:4-7 Luglio 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

22)-Optical Feedback Radiation Forces: Intracavity Optical Trapping with Feedback-locked Diode Lasers

Y. Tuna; R. Sayed; M.G. Donato; P.G. Gucciardi; O. Maragò; G. Volpe
Frontiers in Optics 2012- Laser Science XXVIII (FiO/LS 2012), Rochester, New York (USA), 14-18 Ottobre 2012
<http://www.cnr.it/prodotto/i/196056>

info:cnr-pdr/source/autori:Y. Tuna, R. Sayed, M.G. Donato, P.G. Gucciardi, O. Maragò, G. Volpe/congresso_nome:Frontiers in Optics 2012- Laser Science XXVIII (FiO/LS 2012)/congresso_luogo:Rochester, New York (USA)/congresso_data:14-18 Ottobre 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

23)-Si nanowires as light emitting devices at room temperature and their manipulation by optical tweezers

P. Artoni¹; A. Irrera; F. Iacona; G. Franzò; S. Boninelli; E. F. Pecora; M. Galli; B. Fazio; P. Gucciardi; O. Maragò; F. Priolo

Submitted to symposium N : Control of light at the nanoscale: materials, techniques and applications of the E-MRS 2012 Spring Meeting,, Strasburgo, 2012

<http://www.cnr.it/prodotto/i/197361>

info:cnr-pdr/source/autori:P. Artoni¹, A. Irrera, F. Iacona, G. Franzò, S. Boninelli, E. F. Pecora, M. Galli, B. Fazio, P. Gucciardi, O. Maragò, F. Priolo/congresso_nome:Submitted to symposium N : Control of light at the nanoscale: materials, techniques and applications of the E-MRS 2012 Spring Meeting,/congresso_luogo:Strasburgo/congresso_data:2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

24)-Size-Scaling in Optical Trapping of Silicon Nanowires

Alessia Irrera¹; Pietro Artoni^{2, 3}; Rosalba Saija⁴; Pietro G. Gucciardi¹; Maria Antonia Iatì¹; Ferdinando Borghese⁴; Paolo Denti⁴; Fabio Iacona²; Francesco Priolo^{2, 3}; Onofrio M. Marago¹

symposium N : Control of light at the nanoscale: materials, techniques and applications of the E-MRS 2012 Spring Meeting, 2012

<http://www.cnr.it/prodotto/i/197363>

info:cnr-pdr/source/autori:Alessia Irrera¹, Pietro Artoni^{2,3}, Rosalba Saija⁴, Pietro G. Gucciardi¹, Maria Antonia Iatì¹, Ferdinando Borghese⁴, Paolo Denti⁴, Fabio Iacona², Francesco Priolo^{2,3}, and Onofrio M. Marago¹/congresso_nome:symposium N : Control of light at the nanoscale: materials, techniques and applications of the E-MRS 2012 Spring Meeting/congresso_luogo:/congresso_data:2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

25)-Optical Trapping of Nanostructures

O. M. Marago¹; M. G. Donato; A. Irrera; B. Fazio; P. G. Gucciardi; M. A. Iatì; G. Calogero; C. D'Andrea; E. Messina; M. Monaca; R. Sayed; S. Vasi; F. Bonaccorso; A. C. Ferrari; P. H. Jones; R. Saija S. Savasta

XCVIII Congresso Nazionale della SIF, Napoli, 17-21 Settembre 2012

<http://www.cnr.it/prodotto/i/198309>

info:cnr-pdr/source/autori:O. M. Marago¹, M. G. Donato, A. Irrera, B. Fazio, P. G. Gucciardi, M. A. Iatì, G. Calogero, C. D'Andrea, E. Messina, M. Monaca, R. Sayed, S. Vasi, F. Bonaccorso, A. C. Ferrari, P. H. Jones, R. Saija S. Savasta/congresso_nome:XCVIII Congresso Nazionale della SIF/congresso_luogo:Napoli/congresso_data:17-21 Settembre 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

26)-Optical Trapping of Nanostructures: Femtonewton Force Sensing and Ultra-Sensitive Spectroscopy

O. M. Marago¹

NanoSpain2012, Santander, Spagna, 27 Feb-1 Mar 2012

<http://www.cnr.it/prodotto/i/198310>

info:cnr-pdr/source/autori:O.

M.

Marago'/congresso_nome:NanoSpain2012/congresso_luogo:Santander,
Spagna/congresso_data:27 Feb-1 Mar 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

27)-Optical squeezing of microbubbles: Ray optics and Mie scattering calculations

Skelton S.E.; Sergides M.; Memoli G.; Maragó O.M.; Jones P.H.

Optical Trapping and Optical Micromanipulation IX, San Diego, Aug 2012

<https://dx.doi.org/10.1117/12.929900>

info:cnr-pdr/source/autori:Skelton S.E., Sergides M., Memoli G., Maragó O.M., Jones P.H./congresso_nome:Optical Trapping and Optical Micromanipulation IX/congresso_luogo:San Diego/congresso_data:Aug 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

28)-Optically bound particle structures in evanescent wave traps

Sergides M.; Skelton S.E.; Karczewska E.; Thorneycroft K.; Marago' O.M.; Jones P.H.

Optical Trapping and Optical Micromanipulation IX, San Diego, Aug 2012

<https://dx.doi.org/10.1117/12.929612>

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29)-Near-field and far-field optical properties of metal nanoparticles in the T-matrix approach

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30)-Near-field and far-field optical properties of metal nanoparticles in the T-matrix approach

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31)-Catalytic Wet Air Oxidation over carbon based catalysts

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32)-Role of Mg_{1-x}Fe_xO phase in the growth of CNTs by Catalytic Chemical Vapor Deposition

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33)-Taguchi-optimised catalytic growth of carbon nanotubes for electro-catalysis applications

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34)-CNT synthesis over bimetallic supported catalysts: influence of carbon source

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35)-Functionalization of Carbon Nanotubes under dry and wet conditions

C. Milone; F. Venuti; S. Ansari; E. Piperopoulos; M. Lanza; A. Pistone; S. Galvagno; S. Santangelo

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38)-Polarization properties of SERS from randomly oriented molecules on gold nanowires

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39)-Method for dimensioning a solar generation system, and the solar generation system obtained

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