Peer-reviewed journal articles

1)-Noninvasive real-time assessment of riboflavin consumption in standard and accelerated corneal crosslinking

Marco Lombardo; Giuseppe LombardoSUBJECTcorneal cross-linkingSUBJECTtheranosticsSUBJECTUV-A deviceSUBJECTriboflavinSUBJECTfluorescence.

Journal of cataract and refractive surgery 45 (2019): 80–86.

https://dx.doi.org/10.1016/j.jcrs.2018.07.062

2)-Chiral optical tweezers for optically active particles in the T-matrix formalism

F. Patti; R. Saija; P. Denti; G. Pellegrini; P. Biagioni; M.A. Iatì; O.M. MaragòSUBJECTOptical TweezersSUBJECTchiralitySUBJECTT-matrix

Scientific reports (Nature Publishing Group) 9 (2019): 29.

https://dx.doi.org/10.1038/s41598-018-36434-9

3)-Optical Trapping, Optical Binding, and Rotational Dynamics of Silicon Nanowires in Counter-Propagating Beams

Donato M.G.; Brzobohaty O.; Simpson S.H.; Irrera A.; Leonardi A.A.; Lo Faro M.J.; Svak V.; Marago O.M.; Zemanek P.SUBJECTlight angular momentumSUBJECTlight-driven rotationsSUBJECToptical bindingSUBJECTOptical trappingSUBJECTsilicon nanowires

Nano letters (Print) 19 (2019): 342–352.

https://dx.doi.org/10.1021/acs.nanolett.8b03978

4)-A New Class of MnCeOx Materials for the Catalytic Gas Exhausts Emission Control: A Study of the CO Model Compound Oxidation

Arena F.; Di Chio R.; Espro C.; Fazio B.; Palella A.; Spadaro L.SUBJECTAutomotive exhaust emissions controlSUBJECTCO oxidationSUBJECTNanocomposite MnCeOx catalystsSUBJECTActive sitesSUBJECTReaction mechanism

Topics in catalysis 62 (2019): 259–265.

https://dx.doi.org/10.1007/s11244-018-1113-0

5)-Self-supporting graphene oxide films preparation and characterization methods

Torrisi, L.; Cutroneo, M.; Havranek, V.; Silipigni, L.; Fazio, B.; Fazio, M.; Di Marco, G.; Stassi, A.; Torrisi, A.SUBJECTFilm preparationSUBJECTGraphene oxideSUBJECTOxidation and reduction of graphene oxide filmsSUBJECTSurface analysis

Vacuum 160 (2019): 1–11.

https://dx.doi.org/10.1016/j.vacuum.2018.11.001

6)-Optical forces in the T-matrix formalism

P. PolimenoR. SaijaC. Degli Esposti BoschiO. M. MaragòM.A. IatìSUBJECTOptical tweezersSUBJECTT-matrixSUBJECTNanowires

Atti della Accademia Peloritana dei Pericolanti. Classe di Scienze Fisiche, Matematiche e Naturali (Online) 97 (2019).
https://dx.doi.org/10.1478/AAPP.971A2

7)-Experimental Evaluation of the Thermal Polarization in Direct Contact Membrane Distillation Using Electrospun Nanofiber Membranes Doped With Molecular Probes
Sergio Santoro 1; 2; 3; Ivan Vidorreta 2; Isabel Coelhoso 3; Joao Carlos Lima 3; Giovanni Desiderio 4; Giuseppe Lombardo 5; Enrico Drioli 1; Reyes Mallada 2; Joao Crespo 3; Alessandra Criscuoli 1; Alberto Figoli 1SUBJECTMembrane distillation; thermal polarization; electrospinning; molecular probes
Molecules (Basel, Online) 24 (2019).
https://dx.doi.org/10.3390/molecules24030638

8)-Noninvasive continuous arterial pressure monitoring with Clearsight during awake carotid endarterectomy: A prospective observational study
Noto A.; Sanfilippo F.; De Salvo G.; Crimi C.; Benedetto F.; Watson X.; Cecconi M.; David A.SUBJECTanestesia
European journal of anaesthesiology (Print) 36 (2019): 144–152.
https://dx.doi.org/10.1097/EJA.0000000000000938

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