

REVIEWS

Research progress of porous drug carriers in tumor diagnosis and therapy

Lihua Zhu · Xinyuan Li · Fei Yin* 829

ARTICLES

In vitro biocompatibility and drug release of collagen-mo-complexes hydrogels for tissue engineering

Denis A. Cabrera-Munguia* · Cesar E. Castañeda-Calzoncit · Jesús A. Claudio-Rizo ·
Martin Caldera-Villalobos · M. Ileana León-Campos · Lucia F. Cano-Salazar 845

Effect of carbon nanotube length on thermal conductivity of SWNT/PVA composites

Zi-Yi Gao · Kun Liu · Zhi-Peng Li · Yu-Cong Chen · Qi-Yuan Liang · Xiao-Ya Liu ·
Jia-Yi Ren · Fei Wang · Jian-Guo Liang · Zhan-Chun Chen* 859

Optoelectronic devices with tunable bandgap using hybrid organic-inorganic perovskites

Abdullah A. Alatawi* 871

Evaluation of polyvinylpyrrolidone as a dispersant of barium titanate for multilayer ceramic capacitor (MLCC) application

Young-O Kim · Jung Jin Park · Rhakhyeon Baek · Hosam Choi · Dong Jun Jung · Jong Ho Lee* 895

Study on the preparation and adhesion properties of fluorinated P(EA-co-HFBA) adhesives

Wen Jiang Zheng* · Xiyuan Liu · Huilin Gao · Tingting Xu · Juncui Zhao · Xiaoxi Fan* 903

Terbinafine-loaded biocompatible hydrogel patches composed of hydroxyethyl methacrylate and methacrylic acid with remarkable antifungal activities

Kemal Cetin* · Koray Şarkaya · Fatih Altintas · Berna Kavakcioğlu Yardımcı 911

Ionic crosslinked biohybrid gelatin-based hydrogels for 3D cell culture

Eric Y. Du · H. T. Kim Duong · M. A. Kristine Tolentino · Jacinta L. Houn · Panthipa Suwannakot ·
Kristel C. Tjandra · Duyen H. T. Nguyen · Richard D. Tilley · J. Justin Gooding* 921

Fabrication of graphene oxide infused natural polymers-based super absorptive self-healing foam dressing using quality by design approach

Kumar Anand · Neelima Sharma* 933

Suitability evaluation of various phosphorus-based flame retardants for waste cotton fibers

Kil Song Jeon · Jae Ung Sim · In Hwan Yeo · Kyung Suk Cho* 949

MnO₂-mediated pH-responsive hyaluronated liposomes for singlet oxygen generation in hypoxic tumor environments

Jiseung Kim · Hyeri Ryu · Minjung Kim · Eun Seong Lee* 961

Exploring the impact of doping and processing strategies on the thermoelectric performance of 1D/2D tellurium nanocomposites

In Ho Kim · Tae Kyu An · Hossein Fattahimoghaddam* · Yong Jin Jeong* 975

REVIEWS

- Recent research trends in gradient hydrogels for various biomedical applications
Do Young Jung · Mina Kwon · Ki Su Kim* 987
- Covalently constructed multicompartment polymer nanoparticles via architecture-controlled polymerization
Yunji Jung · Boominathan Muniyappan · Myungeun Seo* 1003

ARTICLES

- Polyurethanes synthesized from diisocyanate trimers and polyethylene glycol undergo crosslinking via thermally reversible Diels-Alder reactions
Heru Santoso · Sabrina Aufar Salma · Frita Yuliati · Shayrilla Chairunnisa Nur Afifa · Sumarno Sumarno* 1015
- Preparation of polyurethane sulfonate films as a motion sensing substrate with the compliant coating of PEDOT:PSS
Sung Moon Park · Seung Min Lee · Young Je Kwon · Kie Yong Cho · Soaram Kim · Eun Kwang Lee* 1029
- Degradation behavior of poly(lactic acid) and poly(hydroxyalkanoate) blends in simulated marine environments
Gunhee Park · Hyunho Jang · Taesung Choi · Su-il Park* 1035
- Synergistic effect of citric acid on hydroxyapatite nucleation on poly(butylene succinate-co-ethylene terephthalate)/nano-hydroxyapatite nanofiber for bone scaffold
Hadi Shirali* · Mehdi Rafizadeh* 1047
- Synthesis and characterization of polyethyleneimine modified methylcellulose nanocarrier for doxorubicin delivery
Kwangmyung Ko · Seoyeon Park · Sehee Kim · Jiin Cheon · Tae-il Kim* · Kitae Ryu* 1059
- Ionically cross-linked chitosan-oxalate/Al₂O₃ nanocomposite for highly efficient removal of eosin y dye: adsorption isotherm, kinetic, thermodynamic, and process optimization using BBD-RSM
Ahmed Saud Abdulhameed* · Rima Heider Al Omari · Sultan Althahban · Yosef Jazaa · Mahmoud Abualhaija · Sameer Algburi 1069
- Bio-inspired reinforcement of MXene composites: tannic acid and TEMPO-oxidized cellulose nanofibers for enhanced mechanical and oxidation stability
Yeonghyeon Lee · Yeongbeom Hong · Bong Sup Shim* 1085
- Detailed physical property investigation study on ZnO NPs containing waste PS-PLA smart polymeric composites: crystal structure, thermal, optical properties and radiation shielding behavior
Cengiz Tatar* · Mediha K  k · Mahmut Do  ru · Meltem Co  kun · Ecem   zen   ner 1097
- Side chain effect of benzodithiophene on the diketopyrrolopyrrole-based copolymer for the opto-electronic properties
Karina Ayu Larasati · Changwoo Park · Landep Ayuningtias · Hyojung Cha* · Yun-Hi Kim* 1109
- Facile transition of surface wettability in hierarchical silica framework: from Wenzel to Cassie-Baxter regime
Sumin Myoung · Giwon Lee* · Daegun Kim* 1117