

DAFTAR PUSTAKA

- Ağcaabat, R., Bilen Şentürk, C., and Odabaş, Z., 2022, The effect of the position of the trimethoxy groups as distant substituents on the spectral and acid sensing properties of phthalocyanines, *Polyhedron*, 222, 115929.
- Aksöz, B.E. and Ertan, R., 2012, Spectral properties of chalcones II, *Fabad J. Pharm. Sci.*, 37, 205–216.
- Ali, M.K.M., Elzupir, A.O., Ibrahim, M.A., Suliman, I.I., Modwi, A., Idriss, H., and Ibnaouf, K.H., 2017, Optik Characterization of optical and morphological properties of chalcone thin films for optoelectronics applications, *Opt. - Int. J. Light Electron Opt.*, 145, 529–533.
- Amador-Castro, F., Rodriguez-Martinez, V., and Carrillo-Nieves, D., 2020, Robust natural ultraviolet filters from marine ecosystems for the formulation of environmental friendlier bio-sunscreens, *Sci. Total Environ.*, 749, 141576.
- Annath, H., Manayil, J.C., Thompson, J., Marr, A.C., and Raja, R., 2021, Contrasting structure-property relationships in amorphous, hierarchical and microporous aluminophosphate catalysts for Claisen-Schmidt condensation reactions, *Appl. Catal. A Gen.*, 627, .
- Aslantürk, Ö.S., 2018, In Vitro Cytotoxicity and Cell Viability Assays: Principles, Advantages, and Disadvantages, *Genotoxicity - A Predict. Risk to Our Actual World*, 1–18.
- Aspinwall, L.G., Taber, J.M., Kohlmann, W., Leaf, S.L., and Leachman, S.A., 2014, Unaffected family members report improvements in daily routine sun protection 2 years following melanoma genetic testing, *Genet. Med.*, 16, 846–853.
- Ateenyi-Agaba, C., Dai, M., Le Calvez, F., Katongole-Mbidde, E., Smet, A., Tommasino, M., Franceschi, S., Hainaut, P., and Weiderpass, E., 2004, TP53 mutations in squamous-cell carcinomas of the conjunctiva: Evidence for UV-induced mutagenesis, *Mutagenesis*, 19, 399–401.
- Azizi, S.N., Chaichi, M.J., and Yousefi, M., 2009, Investigation of solvent effects on UV-vis absorption spectra of dihydroxybenzene derivatives by solvatochromic parameters, *Spectrochim. Acta - Part A Mol. Biomol. Spectrosc.*, 73, 101–105.
- Banoth, R.K. and Thatikonda, A., 2020, A Review on Natural Chalcones an Update, *Int. J. Pharm. Sci. Res.*, 11, 546–555.
- Bhattacharya, S. and Sherje, A.P., 2020, Development of resveratrol and green tea sunscreen formulation for combined photoprotective and antioxidant properties, *J. Drug Deliv. Sci. Technol.*, 60, 1–6.
- Black, A.T., Gray, J.P., Shakarjian, M.P., Laskin, D.L., Heck, D.E., and Laskin, J.D.,

- 2008, Distinct effects of ultraviolet B light on antioxidant expression in undifferentiated and differentiated mouse keratinocytes, *Carcinogenesis*, 29, 219–225.
- Borges, I.D., Danielli, J.A.V., Silva, V.E.G., Sallum, L.O., Queiroz, J.E., Dias, L.D., Iermak, I., Aquino, G.L.B., Camargo, A.J., Valverde, C., Valverde, C., Osório, F.A.P., Osório, F.A.P., Baseia, B., Baseia, B., Napolitano, H.B., and Napolitano, H.B., 2020, Synthesis and structural studies on (: E)-3-(2,6-difluorophenyl)-1-(4-fluorophenyl)prop-2-en-1-one: a promising nonlinear optical material, *RSC Adv.*, 10, 22542–22555.
- Calafat, A.M., Wong, L.Y., Ye, X., Reidy, J.A., and Needham, L.L., 2008, Concentrations of the sunscreen agent benzophenone-3 in residents of the United States: National Health and Nutrition Examination Survey 2003-2004, *Environ. Health Perspect.*, 116, 893–897.
- Chen, G., Zhou, D., Li, X.Z., Jiang, Z., Tan, C., Wei, X.Y., Ling, J., Jing, J., Liu, F., and Li, N., 2017, A natural chalcone induces apoptosis in lung cancer cells: 3D-QSAR, docking and an in vivo/vitro assay, *Sci. Rep.*, 7, 1–10.
- Choudhary, A.L. and Juyal, V., 2011, Synthesis of chalcone and their derivatives as antimicrobial agents, *Int. J. Pharm. Pharm. Sci.*, 3, 125–128.
- Cocci, P., Mosconi, G., and Palermo, F.A., 2020, Sunscreen active ingredients in loggerhead turtles (*Caretta caretta*) and their relation to molecular markers of inflammation, oxidative stress and hormonal activity in wild populations, *Mar. Pollut. Bull.*, 153, .
- Çöpçü, B., Sayin, K., and Karakaş, D., 2021, Investigations substituent effect on structural, spectral and optical properties of phenylboronic acids, *J. Mol. Struct.*, 1227, 1–7.
- Coskun, D., Erkisa, M., Ulukaya, E., Fatih, M., and Ari, F., 2017, European Journal of Medicinal Chemistry Novel 1- (7-ethoxy-1-benzofuran-2-yl) substituted chalcone derivatives : Synthesis , characterization and anticancer activity, *Eur. J. Med. Chem.*, 136, 212–222.
- D’Orazio, J., Jarrett, S., Amaro-Ortiz, A., and Scott, T., 2013, UV radiation and the skin, *Int. J. Mol. Sci.*, 14, 12222–12248.
- Day, C.P., Marchalik, R., Merlino, G., and Michael, H., 2017, Mouse models of UV-induced melanoma: Genetics, pathology, and clinical relevance, *Lab. Investig.*, 97, 698–705.
- Desai, V., Desai, S., Naik, S., Palyekar, U., Joshi, S.D., and Dixit, S.K., 2017, Bioorganic & Medicinal Chemistry Letters Novel quinoxaliny chalcone hybrid scaffolds as enoyl ACP reductase inhibitors : Synthesis , molecular docking and biological evaluation, *Bioorg. Med. Chem. Lett.*, 27, 2174–2180.

- Dhaliwal, J.S., Moshawih, S., Goh, K.W., Loy, M.J., Hossain, M.S., Hermansyah, A., Kotra, V., Kifli, N., Goh, H.P., Dhaliwal, S.K.S., Yassin, H., and Ming, L.C., 2022, Pharmacotherapeutics Applications and Chemistry of Chalcone Derivatives, *Molecules*, 27, .
- Díaz-Tielas, C., Graña, E., Reigosa, M.J., and Sánchez-Moreiras, A.M., 2016, Atividades Biológicas e Novas Aplicações das Chalconas, *Planta Daninha*, 34, 607–616.
- Ekanayake, U.G.M., Weerathunga, H., Weerasinghe, J., Waclawik, E.R., Sun, Z., MacLeod, J.M., O’Mullane, A.P., and Ostrikov, K. (Ken), 2022, Sustainable Claisen-Schmidt chalcone synthesis catalysed by plasma-recovered MgO nanosheets from seawater, *Sustain. Mater. Technol.*, 32, .
- Elkanzi, N.A.A., Hrichi, H., Alolayan, R.A., Derafa, W., Zahou, F.M., and Bakr, R.B., 2022, Synthesis of Chalcones Derivatives and Their Biological Activities: A Review, *ACS Omega*, 7, 27769–27786.
- Evrano Aksöz, B. and Ertan, R., 2011, Chemical and structural properties of chalcones I, *Fabad J. Pharm. Sci.*, 36, 223–242.
- Fang, Z., Tan, S., Wu, F., Jiao, Y., Au, C., Wang, Y., Shen, J., and Yi, B., 2020, Solvent and substituent effects on ultraviolet absorption properties of Schiff bases—models of molecular-core of mesogenic compounds, *J. Mol. Struct.*, 1219, .
- Fauzi’ah, L. and Wahyuningsih, T.D., 2016, Synthesis of Chalcones Substituted with Nitro and Hydroxyl Group in Alkaline Medium, *J. Eksakta*, 16, 103–114.
- Fransen, M., Karahalios, A., Sharma, N., English, D.R., Giles, G.G., and Sinclair, R.D., 2012, Non-melanoma skin cancer in Australia, *Med. J. Aust.*, 197, 565–568.
- Geoffrey, K., Mwangi, A.N., and Maru, S.M., 2019a, Sunscreen products: Rationale for use, formulation development and regulatory considerations, *Saudi Pharm. J.*, 27, 1009–1018.
- Geoffrey, K., Mwangi, A.N., and Maru, S.M., 2019b, Sunscreen products: Rationale for use, formulation development and regulatory considerations, *Saudi Pharm. J.*, 27, 1009–1018.
- Goyal, K., Kaur, R., Goyal, A., and Awasthi, R., 2021, Chalcones: A review on synthesis and pharmacological activities, *J. Appl. Pharm. Sci.*, 11, 1–14.
- Griebler, A., Banhuk, F.W., Staffen, I.V., Bortoluzzi, A.A.M., Ayala, T.S., Gandra, R.F., Schuquel, I.T.A., Da Silva, E.A.A., Jorge, T.C.M., and Menolli, R.A., 2021, Anti-Trypanosoma cruzi activity, cytotoxicity and, chemical characterization of extracts from seeds of Lonchocarpus cultratus, *J. Infect. Dev. Ctries.*, 15, 270–279.
- Hacker, E., Horsham, C., Ford, H., Hartel, G., Olsen, C.M., Pandeya, N., and Janda,

- M., 2019, UV detection stickers can assist people to reapply sunscreen, *Prev. Med. (Baltim).*, 124, 67–74.
- Hanrahan, J.R., 2012, Sunscreens *Jane*, 35, 148–51.
- Ibnaouf, K.H., Elzupir, A.O., Alsalihi, M.S., and Alaamer, A.S., 2018, Influence of functional groups on the photophysical properties of dimethylamino chalcones as laser dyes, *Opt. Mater. (Amst).*, 76, 216–221.
- Ismiyarto, I., Matsjeh, S., and Anwar, C., 2010, Synthesis of Chalcone and Flavanone Compound Using Raw Material of Acetophenone and Benzaldehyde Derivative, *Indones. J. Chem.*, 1, 81–89.
- Ismiyarto, S., 2001, Synthesis of Chalcone and Flavanone Compound Using Raw Material of Acetophenone and Benzaldehyde Derivative = Sistem senyawa Kalkon dan Flavanon Menggunakan Bahan Dasar Senyawa Turunan Asetofenon ..., *Indones. J. Chem.*, 1, .
- Jumina, J., Styaningrum, R.W., Siswanta, D., Triono, S., Priastomo, Y., Harizal, H., Sholikhah, E.N., and Zulkarnain, A.K., 2019, Synthesis and preliminary evaluation of several chalcone derivatives as sunscreen compounds, *Chem. J. Mold.*, 14, 90–96.
- K. Sahu, N., S. Balbhadra, S., Choudhary, J., and V. Kohli, D., 2012, Exploring Pharmacological Significance of Chalcone Scaffold: A Review, *Curr. Med. Chem.*, 19, 209–225.
- Kachhi, M., 2022, SYNTHESIS AND EVALUATIVE STUDY OF CHALCONES AND THEIR DERIVATIVE FOR ANTI-OXIDANT ACTIVITY, 11, 1–18.
- Kelly, J. and Murphy, J.E.J., 2016, Mitochondrial tolerance to single and repeat exposure to simulated sunlight in human epidermal and dermal skin cells, *J. Photochem. Photobiol. B Biol.*, 165, 298–304.
- Khairul, W.M., Izzati, A., Augustine, E., Arshad, S., and Abdul, I., 2020, FT-IR , NMR and X-ray crystallography dataset for newly synthesized alkoxy-chalcone featuring phenyl) prop – 2-en-1-one, 28, .
- Kohli, I., Nicholson, C.L., Williams, J.D., Lyons, A.B., Seo, I.S., Maitra, P., Tian, X., Atillasoy, E., Lim, H.W., and Hamzavi, I.H., 2020, Greater efficacy of SPF 100+ sunscreen compared with SPF 50+ in sunburn prevention during 5 consecutive days of sunlight exposure: A randomized, double-blind clinical trial, *J. Am. Acad. Dermatol.*, 82, 869–877.
- Kristanti, A.N., Suwito, H., Aminah, N.S., Haq, K.U., Hardiyanti, H.D., Anggraeni, H., Faiza, N., Anto, R.S., and Muharromah, S., 2020, Synthesis of some chalcone derivatives, in vitro and in silico toxicity evaluation, *Rasayan J. Chem.*, 13, 654–662.

- Lavakumar, S., Vivekanand, P.A., and Prince, A.A.M., 2020, Simultaneous analysis of octylmethoxycinnamate and butylmethoxydibenzoylmethane in sunscreen products by a validated UV-spectrophotometric method, *Mater. Today Proc.*, .
- Lawrence, K.P., Douki, T., Sarkany, R.P.E., Acker, S., Herzog, B., and Young, A.R., 2018, The UV/Visible Radiation Boundary Region (385–405 nm) Damages Skin Cells and Induces “dark” Cyclobutane Pyrimidine Dimers in Human Skin in vivo, *Sci. Rep.*, 8, 1–12.
- Lee, Y.T., Fong, T.H., Chen, H.M., Chang, C.Y., Wang, Y.H., Chern, C.Y., and Chen, Y.H., 2014, Toxicity assessments of Chalcone and some Synthetic Chalcone Analogues in a Zebrafish model, *Molecules*, 19, 641–650.
- Lionetti, N. and Rigano, L., 2017, The new sunscreens among formulation strategy, stability issues, changing norms, safety and efficacy evaluations, *Cosmetics*, 4, .
- Luyengi, L., Lee, I.S., Mar, W., Fong, H.H.S., Pezzuto, J.M., and Kinghorn, A.D., 1994, Rotenoids and chalcones from *Mundulea sericea* that inhibit phorbol ester-induced ornithine decarboxylase activity, *Phytochemistry*, 36, 1523–1526.
- Mota, M.D., da Boa Morte, A.N., Silva, L.C.R.C. e., and Chinalia, F.A., 2020, Sunscreen protection factor enhancement through supplementation with Rambutan (*Nephelium lappaceum* L) ethanolic extract, *J. Photochem. Photobiol. B Biol.*, 205, .
- Mulliken, J.S., Russak, J.E., and Rigel, D.S., 2019, The Effect of Sunscreen on Melanoma Risk, .
- Mulugeta, D., Abdisa, B., Belay, A., Endale, M., Ababa, A., Science, A., and Science, A., 2018, Synthesis of Chalcone and Flavanone Derivatives using ZnO Nanoparticle as Catalyst for Antibacterial Activity, 10, 1–11.
- Nair, L.C.S., Balachandran, S., Arul Dhas, D., and Hubert Joe, I., 2018, In-silico analysis of substituent effect on the static first order hyperpolarizability of electron donating mono substituted Chalcone derivatives, *J. Mol. Model.*, 24, .
- Ngamwongsatit, P., Banada, P.P., Panbangred, W., and Bhunia, A.K., 2008, WST-1-based cell cytotoxicity assay as a substitute for MTT-based assay for rapid detection of toxigenic *Bacillus* species using CHO cell line, *J. Microbiol. Methods*, 73, 211–215.
- Nuti, E., Bassani, B., Camodeca, C., Rosalia, L., Cantelmo, A., Gallo, C., Baci, D., Bruno, A., Orlandini, E., Nencetti, S., Noonan, D.M., Albini, A., and Rossello, A., 2017, European Journal of Medicinal Chemistry Synthesis and antiangiogenic activity study of new hop chalcone Xanthohumol analogues, *Eur. J. Med. Chem.*, 138, 890–899.
- Of, H.L., Sharma, R., and Yadav, B.S., 2020, Solvent Effect On Electronics Transitions , Ph Effect , Theoretical UV Spectrum , Solvent Effect On Electronic Transitions ,

- Ph Effect , Theoretical Uv Spectrum , Homo Lumo Analysis Of 2 , 4-Dihydroxy-5- Fluoropyrimidine,2–9.
- Olevano, V., 2018, TDDFT, excitations, and spectroscopy, *Struct. Differ. Time Scales*, 101–142.
- Perdana, F., Eryanti, Y., and Zamri, A., 2015, Synthesis and Toxicity Assessments Some Para-methoxy Chalcones Derivatives, *Procedia Chem.*, 16, 129–133.
- Perrin, C.L. and Chang, K.L., 2016, The Complete Mechanism of an Aldol Condensation, *J. Org. Chem.*, 81, 5631–5635.
- Prabhu, S.R., Jayarama, A., Chandrasekharan, K., and Upadhyaya, V., 2017, Synthesis , growth , structural characterization , Hirshfeld analysis and nonlinear optical studies of a methyl substituted chalcone, *J. Mol. Struct.*, 1136, 244–252.
- Qian, Y., Qiu, X., and Zhu, S., 2015, Lignin: A nature-inspired sun blocker for broadspectrum Sunscreens, *Green Chem.*, 17, 320–324.
- Rajagopal, G., Talluri, R., Chuy, V.S., Cheng, A.-L., and Dall, L., 2021, Trends in Sunscreen Use Among US Middle and High School Students, 2007-2019, *Cureus*, 13, .
- Rajput, J.K. and Kaur, G., 2012, Silicotungstic acid catalysed Claisen Schmidt condensation reaction: An efficient protocol for synthesis of 1,3-diaryl-2-propenones, *Tetrahedron Lett.*, 53, 646–649.
- Rammohan, A., Reddy, J.S., Sravya, G., Rao, C.N., and Zyryanov, G. V., 2020a, Chalcone synthesis, properties and medicinal applications: a review, *Environ. Chem. Lett.*, 18, 433–458.
- Rammohan, A., Reddy, J.S., Sravya, G., Rao, C.N., and Zyryanov, G. V., 2020b, Chalcone synthesis, properties and medicinal applications: a review, *Environ. Chem. Lett.*, 18, 433–458.
- Reichardt, C., 2007, Solvents and solvent effects: An introduction, *Org. Process Res. Dev.*, 11, 105–113.
- Riss, T.L., Niles, A.L., and Minor, L., 2004, Cell Viability Assays Assay Guidance Manual, *Assay Guid. Man.*, 1–23.
- Road, G. and Road, G., 2019, Sunscreen and Suntan Preparations, 5, 8–44.
- Rocha, J.E., de Freitas, T.S., da Cunha Xavier, J., Pereira, R.L.S., Junior, F.N.P., Nogueira, C.E.S., Marinho, M.M., Bandeira, P.N., de Oliveira, M.R., Marinho, E.S., Teixeira Marinho, A.M.R., dos Santos Marinho, H.S., and Coutinho, H.D.M., 2021, Antibacterial and antibiotic modifying activity, ADMET study and molecular docking of synthetic chalcone (E)-1-(2-hydroxyphenyl)-3-(2,4-dimethoxy-3-methylphenyl)prop-2-en-1-one in strains of *Staphylococcus aureus* carrying NorA and MepA efflux pumps, *Biomed. Pharmacother.*, 140, .

- Rudrapal, M., Khan, J., Aziz Bin Dukhyil, A., Mohammed Ibrahim Ismail Alarousy, R., Ifeanyi Attah, E., Sharma, T., Jagdish Khairnar, S., Rupchand Bendale, A., Barraja, P., Montalbano, A., and Spanò, V., 2021, molecules Chalcone Scaffolds, Bioprecursors of Flavonoids: Chemistry, Bioactivities, and Pharmacokinetics.
- Santhanam, R. kumar, Akhtar, M.T., Ahmad, S., Abas, F., Ismail, I.S., Rukayadi, Y., and Shaari, K., 2017, Utilization of the ethyl acetate fraction of *Zanthoxylum rhetsa* bark extract as an active ingredient in natural sunscreen formulations, *Ind. Crops Prod.*, 96, 165–172.
- Seo, S.A., Ngo, H.T.T., Hwang, E., Park, B., and Yi, T.H., 2020, Protective effects of *Carica papaya* leaf against skin photodamage by blocking production of matrix metalloproteinases and collagen degradation in UVB-irradiated normal human dermal fibroblasts, *South African J. Bot.*, 131, 398–405.
- Sepvianti, W., Btari, S., and Kusumaningrum, C., 2020, Synthesis and Antibacterial Activities Test of Chalcone (E) -3- (4- Against Bacteria Contaminant Blood Products Sintesis Dan Uji Aktivitas Antibakteri Senyawa Kalkon (E) -3- (4- Terhadap Bakteri, *J. Heal.*, 8, 75–84.
- Sharma, R. and Yadav, B.S., 2015, Solvent Effect On Electronic Transitions, Ph Effect, Theoretical Uv Spectrum, Homo Lumo Analysis Of 2,4-Dihydroxy-5-Fluoropyrimidine, *IOSR J. Appl. Chem.*, 8, 11–17.
- Siddiqui, S., Khan, M.U., and Siddiqui, Z.N., 2017, Synthesis, Characterization, and Application of Silica-Supported Copper-Doped Phosphotungstic Acid in Claisen-Schmidt Condensation, *ACS Sustain. Chem. Eng.*, 5, 7932–7941.
- da Silva, A.C.P., Paiva, J.P., Diniz, R.R., dos Anjos, V.M., Silva, A.B.S.M., Pinto, A.V., dos Santos, E.P., Leitão, A.C., Cabral, L.M., Rodrigues, C.R., de Pádula, M., and Santos, B.A.M.C., 2019, Photoprotection assessment of olive (*Olea europaea* L.) leaves extract standardized to oleuropein: In vitro and in silico approach for improved sunscreens, *J. Photochem. Photobiol. B Biol.*, 193, 162–171.
- Sisto, R., Borra, M., Casale, G.R., Militello, A., and Siani, A.M., 2009, Quantitative evaluation of personal exposure to UV radiation of workers and general public, *Radiat. Prot. Dosimetry*, 137, 193–196.
- Tiano, M., Courdurié, C., and Colinet, P., 2022, Predicting the modulation of UV–vis absorption and emission of mono-substituted pyrido[2,3,4-kl]acridines by electronic density variations analysis, *Comput. Theor. Chem.*, 1213, 1–5.
- Trujillo, A., Ocayo, F., Artigas, V., Santos, J.C., Jara-Ulloa, P., Kahlal, S., Saillard, J.-Y., Fuentealba, M., and Escobar, C.A., 2017, New ferrocenyl-chalcones and bichalcones: Synthesis and characterization, *Tetrahedron Lett.*, 58, 437–441.
- Twilley, D., Moodley, D., Rolfes, H., Moodley, I., McGaw, L.J., Madikizela, B.,

- Summers, B., Raaff, L. ann, Lategan, M., Kgatuke, L., Mabena, E.C., and Lall, N., 2021, Ethanolic extracts of South African plants, *Buddleja saligna* Willd. and *Helichrysum odoratissimum* (L.) Sweet, as multifunctional ingredients in sunscreen formulations, *South African J. Bot.*, 137, 171–182.
- Walters, C., Keeney, A., Wigal, C.T., Johnston, C.R., and Cornelius, R.D., 1997, The spectrophotometric analysis and modeling of sunscreens, *J. Chem. Educ.*, 74, 99–102.
- Wang, M., Xu, S., Wu, C., Liu, X., Tao, H., Huang, Y., Liu, Y., Zheng, P., and Zhu, W., 2016, Design, synthesis and activity of novel sorafenib analogues bearing chalcone unit, *Bioorganic Med. Chem. Lett.*, 26, 5450–5454.
- Watanabe, Y., Nagai, Y., Honda, H., Okamoto, N., Yamamoto, S., Hamashima, T., Ishii, Y., Tanaka, M., Suganami, T., Sasahara, M., Miyake, K., and Takatsu, K., 2016, Isoliquiritigenin Attenuates Adipose Tissue Inflammation in vitro and Adipose Tissue Fibrosis through Inhibition of Innate Immune Responses in Mice, *Sci. Rep.*, 6, 4–6.
- Wheeler, O.H., Gore, P.H., Santiago, M., and Baez, R., 1964, Ultraviolet Absorption of Substituted Phenyl and Polycyclic Aryl Chalcones, *Can. J. Chem.*, 42, 2580–2583.
- Yerragunta, V., Kumaraswamy, T., Suman, D., Anusha, V., Patil, P., and Samhitha, T., 2013, A review on Chalcones and its importance, 1, 54–59.
- Young, A.R., 2017, Ultraviolet radiation and the skin: Photobiology and sunscreen photoprotection, 100–109.
- Zhuang, C., Zhang, Wen, Sheng, C., Zhang, Wannian, Xing, C., and Miao, Z., 2017, Chalcone: A Privileged Structure in Medicinal Chemistry, *Chem. Rev.*, 117, 7762–7810.
- Zhuang, C., Zhang, Wen, Sheng, C., Zhang, Wannian, Xing, C., Miao, Z., and States, U., 2018, HHS Public Access, 117, 7762–7810.