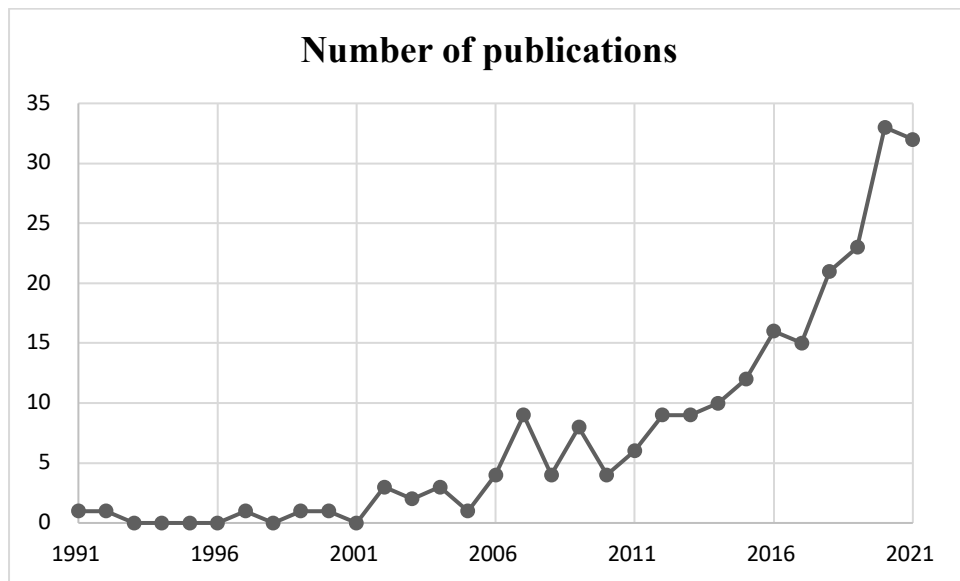


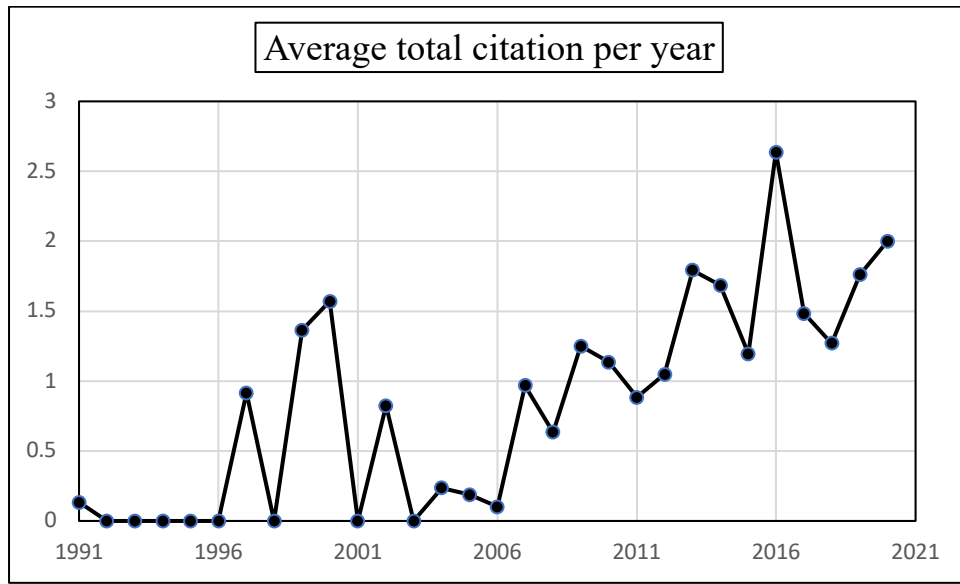
**Supplementary file 1. Summary of the included research literature between 1991 and 2021**

<b>Items</b>	<b>Main information data (Total number of documents: 234)</b>
Average time duration from publication (mean)	5.68 years
Average numbers of citation per document	6.363
Total number of the references	6426
Document types	
<i>Article</i>	202
<i>Editorial material</i>	2
<i>Meeting abstract</i>	13
<i>Note</i>	1
<i>Review</i>	11
Number of all the authors	1050
Number of author's keywords	824
Number of the co-authors per documents	6.28
Collaboration index	4.64

**Supplementary file 2. changes in the number of publications by year**



Supplementary file 3. Average total article citations per year



**Supplementary file 4. Most active authors (top 20)**

<b>Authors</b>	<b>Articles</b>
WANG QH	19
BATKHUU J	11
BAO LD	9
GLASL S	9
PUREVSUREN S	8
BO A	7
KLETTER C	7
LI MH	7
MURATA T	7
NARANTUYA S	7
SI LG	7
TU PF	7
AO WLJ	6
CHAI XY	6
OBMANN A	6
XUE PF	6
ZEHL M	6
BU R	5
KOMATSU K	5
LU JK	5

**Supplementary file 5. Most relevant journal lists (top 20)**

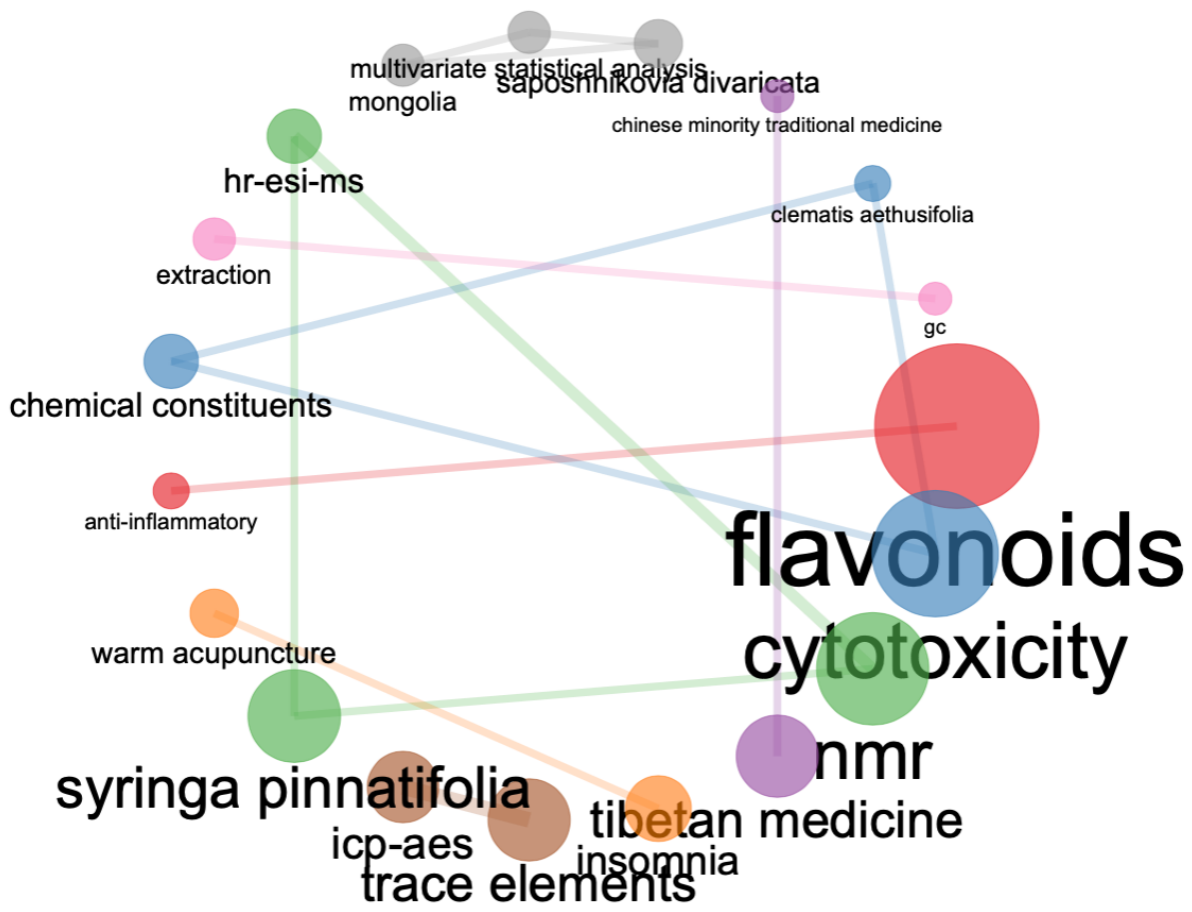
<b>Sources</b>	<b>Articles</b>
JOURNAL OF ETHNOPHARMACOLOGY	24
SPECTROSCOPY AND SPECTRAL ANALYSIS	16
NATURAL PRODUCT RESEARCH	15
JOURNAL OF NATURAL MEDICINES	8
EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE	6
PLANTA MEDICA	6
CHEMICAL & PHARMACEUTICAL BULLETIN	4
MOLECULES	4
SCIENTIFIC REPORTS	4
ACTA PHARMACOLOGICA SINICA	3
CHEMISTRY OF NATURAL COMPOUNDS	3
CHINESE JOURNAL OF NATURAL MEDICINES	3
HERALD OF AN ARCHIVIST	3
JOURNAL OF NATURAL PRODUCTS	3
JOURNAL OF SEPARATION SCIENCE	3
JOURNAL OF TRADITIONAL CHINESE MEDICINE	3
PHARMACEUTICAL BIOLOGY	3
PHYTOCHEMISTRY	3
PHYTOCHEMISTRY LETTERS	3
BASIC & CLINICAL PHARMACOLOGY & TOXICOLOGY	2

## Supplementary file 6. Most global cited documents

Document information	DOI	Total Citations
WANG YZ, 2013, INT IMMUNOPHARMACOL	Protective effects of probiotic <i>Lactobacillus casei</i> Zhang against endotoxin- and d-galactosamine-induced liver injury in rats via anti-oxidative and anti-inflammatory capacities	61
BONDIA-PONS I, 2014, FOOD RES INT	Metabolic profiling of Goji berry extracts for discrimination of geographical origin by non-targeted liquid chromatography coupled to quadrupole time-of-flight mass spectrometry	58
MENG QX, 2009, J ETHNOPHARMACOL	Ethnobotany, phytochemistry and pharmacology of the genus <i>Caragana</i> used in traditional Chinese medicine	58
MENG XX, 2016, J ETHNOPHARMACOL	Chemical composition, antibacterial activity and related mechanism of the essential oil from the leaves of <i>Juniperus rigida</i> Sieb. et Zucc against <i>Klebsiella pneumoniae</i>	47
TSEVEGSUREN N, 2007, J NAT PROD	Biologically Active Natural Products from Mongolian Medicinal Plants <i>Scorzonera divaricata</i> and <i>Scorzonera pseudodivaricata</i>	46
BAO B, 2007, MAR DRUGS	Monoindole Alkaloids from a Marine Sponge <i>Spongisorites</i> sp.	36
CHIK WI, 2015, J ETHNOPHARMACOL	<i>Saussurea involucrata</i> : A review of the botany, phytochemistry and ethnopharmacology of a rare traditional herbal medicine	35
KOJIMA K, 2000, CHEM PHARM BULL	Sesquiterpenoid derivatives from <i>Ferula feruloides</i> . IV	33
TANAKA K, 2008, PHYTOCHEMISTRY	Quality evaluation of <i>Astragali Radix</i> using a multivariate statistical approach	33
KOJIMA K, 1999, CHEM PHARM BULL	Sesquiterpenoid derivatives from <i>Ferula feruloides</i> . III	30
LI YJ, 2016, NEUROSCI LETT	<i>Xanthoceras sorbifolia</i> extracts ameliorate dendritic spine deficiency and cognitive decline via upregulation of BDNF expression in a rat model of Alzheimer's disease	28
MA CM, 2002, PHYTOTHER RES	Screening of Chinese and Mongolian herbal drugs for anti-human immunodeficiency virus type 1 (HIV-1) activity	26
ZHANG W, 2017, FOOD FUNCT	Seabuckthorn berry polysaccharide protects against carbon tetrachloride-induced hepatotoxicity in mice via anti-oxidative and anti-inflammatory activities	26
ROEDER E, 2009, PHARMAZIE	Pyrolizidine alkaloids in medicinal plants of Mongolia, Nepal and Tibet	25
SCHMIDT S, 2013, J ETHNOPHARMACOL	Extracts from <i>Leonurus sibiricus</i> L. increase insulin secretion and proliferation of rat INS-1E insulinoma cells	23
CAO Y, 2016, J ETHNOPHARMACOL	Anti-myocardial ischemia effect of <i>Syringa pinnatifolia</i> Hemsl. by inhibiting expression of cyclooxygenase-1 and -2 in myocardial tissues of mice	22

KOJIMA K, 1997, PHYTOCHEMISTRY	Flavanones from <i>Iris tenuifolia</i>	22
LI MX, 2009, PHYTOTHER RES	Isolation and identification of hemostatic ingredients from <i>Lamiophlomis rotata</i> (Benth.) Kudo	22
BADRAL D, 2017, J NAT PROD	Flavonoid and Galloyl Glycosides Isolated from <i>Saxifraga spinulosa</i> and Their Antioxidative and Inhibitory Activities against Species That Cause Piroplasmiasis	18
SONG SA, 2010, CHEM PHARM BULL	3-Hydroxymethylglutaryl Flavonol Glycosides from a Mongolian and Tibetan Medicine, <i>Oxytropis</i> <i>racemosa</i>	18

Supplementary file 7. co-occurrence network of keywords.





**Supplementary file 8. Collaboration network of the authors in the literatures**

<b>Node</b>	<b>Cluster</b>	<b>Betweenness centrality</b>	<b>Closeness centrality</b>
GLASL S	1	0	0.000659196
PUREVSUREN S	1	0	0.000659196
KLETTER C	1	0	0.000659196
NARANTUYA S	1	0	0.000659196
OBMANN A	1	0	0.000659196
ZEHL M	1	0	0.000659196
BAO LD	2	1.728571429	0.000677048
BO A	2	0	0.00067659
SI LG	2	2.271428571	0.000677048
YUAN HW	2	5	0.000677048
SU XL	2	0	0.000674764
WANG YH	2	0	0.00067659
CHEN YS	2	0	0.000675219
BATKHUU J	3	4	0.000659196
MURATA T	3	0	0.000658762
KOMATSU K	3	0	0.000657462
SASAKI K	3	0	0.000658762
SUGANUMA K	3	0	0.000658762
BANZRAGCHGARAV O	3	0	0.000658762
TU PF	4	0.321428571	0.000659196
CHAI XY	4	0.321428571	0.000659196
ZHANG RF	4	0.214285714	0.000659196
CAO Y	4	0.142857143	0.000659196
FENG X	4	0	0.000658762
GAO XL	4	0	0.000658762
XUE PF	5	0	0.000641849
BU R	5	0	0.000641849
LU JK	5	0	0.000641849
DONG X	5	0	0.000641849
MA FX	5	0	0.000641849
WANG QH	6	17	0.000696864
AO WLJ	6	0	0.000694444
BAO WQ	6	0	0.000694927
HAN JJ	6	0	0.000693963
PA B	6	0	0.000694927
XU YH	6	0	0.000694927
BAO XH	6	0	0.000694444
HAO JS	6	0	0.000693963
BORJIGIDAI A	7	0	0.000594884
CUI J	7	0	0.000594884
BA T	8	0	0.000594884

**Supplementary file 9. Collaboration network of the institutions in the literatures**

Node	Cluster	Betweenness	Closeness
UNIV VIENNA	1	0	0.00094697
HLTH SCI UNIV MONGOLIA	1	0	0.00094697
MED UNIV VIENNA	1	0	0.00094697
INNER MONGOLIA MED UNIV	2	66	0.001550388
INNER MONGOLIA UNIV NATIONALITES	2	38	0.001533742
MINZU UNIV CHINA	2	14	0.001506024
BEIJING UNIV CHINESE MED	2	14	0.00152207
JILIN UNIV	2	0	0.001501502
PEKING UNIV	2	56	0.001550388
INNER MONGOLIA INT MONGOLIAN HOSP	2	0	0.001526718
ALASHAN MONGOLIAN HOSPITAL	2	0	0.001490313
INST CHINESE MAT MED	2	0	0.001474926
NATL UNIV MONGOLIA	3	61.19920635	0.001545595
OBIHIRO UNIV AGR AND VET MED	3	1.467460317	0.00152207
INST CHEM AND TECHNOL	3	0	0.001517451
TOHOKU MED AND PHARMACEUT UNIV	3	0.333333333	0.001519757
MONGOLIAN UNIV LIFE SCI	3	0	0.001515152
TOYAMA UNIV	3	0	0.001512859
MONGOLIAN UNIV PHARMACEUT SCI	3	0	0.001517451
BAOTOU MED COLL	4	0	0.000918274
INNER MONGOLIA INST TRADIT CHINESE MED	4	0	0.000918274
INNER MONGOLIA AGR UNIV	5	0	0.000918274
INNER MONGOLIA PEOPLES HOSP	5	0	0.000918274
INNER MONGOLIA NORMAL UNIV	6	0	0.000918274
CHINESE AND MONGOLIAN HOSP INNER MONGOLIA	6	0	0.000918274
INNER MONGOLIA UNIV	7	0	0.000918274
INT HOSP MONGOLIAN MED	7	0	0.000918274
MONGOLIAN PHARMACEUT PREPARAT CTR	8	0	0.00094697
MONGOLIAN MED INST INNER MONGOLIA	8	0	0.00094697
STATE CLIN TRIAL INST NEW DRUGS	8	0	0.00094697
INST CHEM	9	0	0.000918274

Supplementary file 10. Collaboration network between countries

