

C



,
 ,
 1 . / . .
 , 1 .
 , () 1
 () .
 () 330 - 1 ,
 (, 10 22 2 , 2022)
 (2) / - -
Cardiovasc. Regenerative Med. *J Alzheimer Diseases,*
Biosci. Reports *PLoS One* *CM*
Neuroscience & Therapeutics, Journal of Pharmacology and Drug Metabol
Frontiers in Neurotrauma, etc.

, - - ()
 1 ,
). .
 1 ,
 () 200 ,
 (3) -
 200 . .
 200
 201 . .

2012
10
(
201)
1 0)

, . 201 , .
(3,)
(



(- 02)
2012, **Science**

- 101
(2, 2012, .
'C&EN'

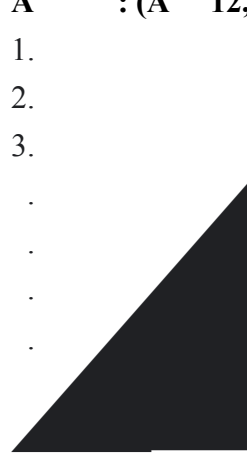
1 2). 201 ,

(3, 201 , 2 -2).

(201 2020),

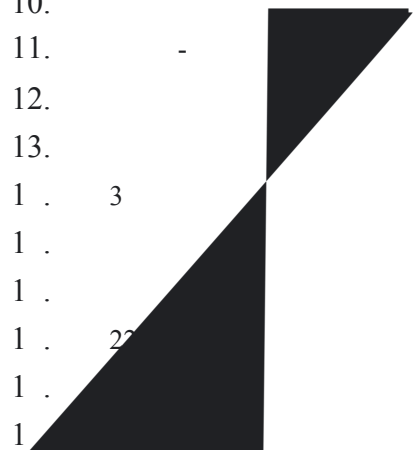
A : (A 12, 2022)

- 1.
- 2.
- 3.
- .
- .
- .
- .

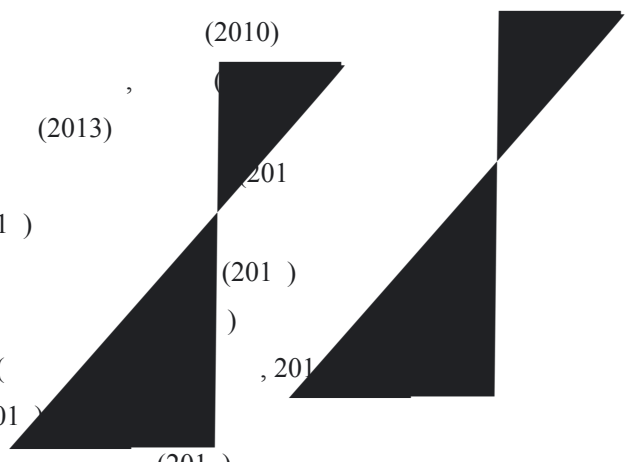


(1)
(200)
(200)
(200)
(200)
(200)
100
(2010)

- 10.
- 11.
- 12.
- 13.
- 1 . 3
- 1 .
- 1 .
- 1 .
- 1 . 22
- 1 .
- 1 .



(2010)
(2013)
(201)
(201)
(201)
(201)
(201)
(201)
(201)
(201)
(2020)



20. 2021

() (2021)

21. () (2022)

1. (Stroke 1 Free Radic Bio Med. , 3 Pharmacol & Therapeutics 1) (Atherosclerosis 22 , 3, Le i e 17)

2. (Transl Med. 11 3). (, 10 Science 2021, Science 3 2 () 11). 20 (312.1). (, Redox Biol. 10 1 Cell Mol Immunol Clin Med. 11(11) 1 Clin Transl Med. 11() 3 , Cell Mol Immunol 1 22 , Nature Discover 1 1 301)

3. (Cardiovasc. Res. 11 101), (2) 3 (Cardiovasc. Res. 11 1 2) (Aging Cell 1 () 132 2 Aging 12(21) 21 23 Arterioscler. Thromb. Vasc. Biol. 1 1 01

(Cardiovascular Regenerative Medicine),

2 3.

1. ...
Cardiovascular Research 201 ,11 ,
 : 3
 1 2 1 2

10. ...
Cell Mol Life Sci 201 , ,13 1-1 12. (
 .2 1)

68, 10 236 22, 2022): 15751

1. ...
 . .* 3- 2
 1 / -1 . *Signal Transduction
 and Target Therapy* : 20 , 2022.

2. ...
 . * , , . (2022)
 -203
 / 2 . *NITRIC OXIDE-BIOLOGY AND CHEMISTRY*
 11 ,31-3

3. ...
 . * , , . (2022)
 -
 1- -2. *Front
 Immunol.* 2021 ; 12: 782335

4. ...
 . * . (2022)
 FRONTIERS IN
 CARDIOVASCULAR MEDICINE

5. ...
 . (2022) -1
 - -1 2 2 . *A i i d a a d
 Red Sig ali g V l. 36, i e*

6. ...
 . * , , , ,
 . (2022)
 1 / . *F i e g B i e c h l.* 2021; 9: 737334.

, . *, , -
+ 2 +
Biological Science 1 () 1 1-1 3

(2022) 1

Journal of

, , , , , , . *. (2021)
REDOX

. *ANTIOXIDANTS &*

1 . , , , , , . .*(2021)

ANTIOXIDANTS & REDOX SIGNALING 3 (3), 1-3

1 . , , , , , . .*

PATHOGENESIS 1 (10), 1-10

1 . , , , , , , , , , , . .*(2021)

MOLECULAR IMMUNOLOGY 1 (22), 1-22

20 . , , , , , , , , , , . .*, , , , , .*(2021)
. (2021) -1

BIOPHYSICA SINICA 3(), 120 -121

21 . , , , , , , , , , , . .*, , , , .*(2021)

CURRENT DRUG DELIVERY 30(1), 10- 01

22 . , , , , . .*(2021)

131 (1) 1-203

23 . , , , , , . .*(2021)

HYDROGEN SULFIDE BIOLOGY 131 (1), 1-1

2 . , , , . .*, , , .*(2021)

ADVANCES IN HYDROGEN SULFIDE BIOLOGY 131 (1), 1-12

2 . , , , , , , , , , , . .*(2021)

CLINICAL AND TRANSLATIONAL

(10)

2 . , , , , , , , , , , . .*(2021)

FRONTIERS IN PUBLIC

HEALTH

2 . , , , , , , , , , , , , , , , , , , . .*(2021) 2- 2

CLINICAL AND

TRANSLATIONAL MEDICINE 11(11), 1

2. .*(2021) . JOURNAL OF INFLAMMATION RESEARCH
1. 3- (2021) . FUNCTIONAL & INTEGRATIVE GENOMICS 11(12) 112
30. .*(2021) . JOURNAL OF THE AMERICAN HEART ASSOCIATION 10(23), 022 1
31. .*(2021) . CLINICAL AND TRANSLATIONAL MEDICINE 11()
32. .*(2021) 3- 1 . ACTA PHARMACEUTICA SINICA B 11(),12 1-12 3
33. .*(2021) . ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY 1(),1 01-1 1
- 3 .*(2021) . FRONTIERS IN IMMUNOLOGY 11, 1201 2
- 3 .*(2021) . Pharmaceutical Research 10 1

37. .*(2021)
 -1 .Mi i-Re ie i Medici al Chemi

3 . .*(2021)
 -2. C e Re eq ch i
 Pha mac l g a d D g Di c e 2 1000

3 . .*(2021)
 . JOURNAL OF
 TRANSLATIONAL INTERNAL MEDICINE (),23 -2

0. .*(2020) 3- 1
 . Agi g (Alba NY) 12 (2

1. .*(2020)
 ANALING

2. .*(2020) 3
 . Fa eb J 34, 10 - 11

3. .*(2020)
 . Ac a
 Ph . 21 -22

.*(2020)
 Chi J ed 26, 1 2-1 0

.*(2020)
 , 3 ,

Sig 32, 3-
 (2020)
 - ()
 . Pha mac l F
 , .*(2020)
 3

. Bi chemical a d bi h ical
 e ica i 528, 1-
 , .*(2020) 2

Pharmacology -12

. Ac a

(2020)

J Pharmacol Ther 373, 3-

. * (2020)

Aggreg Cell 19:1-13

1. , . , . *

FD 201

. Pharmacol

Re 159, 10

2. , , , ,

ed: x e I - d r o

SOB

3

DO : EDλ π (S ΔDXD X/

V 9

+Γ

3TD

T

- JΓ \ π

(5) 3!H9

XD

: THλ

J E

\

(PBLD) MSHU LC



Imm l 16, - 0
(201)

Cell M l

0. Fa eb J 33, 03- 1

1. (201) -1
/ -2

Ac q Bi ch Bi h Si 51, 0-

2. J al f he Ame ica C llege fCa di l g 73, 2 - 2

3. (201) -1
O ida i e medici e a d cell la l ge i 2019
(201)

le 24

I , med 14, 100 1-100

T e d Pha mac l Sci 39, 2 - 3
(201)

Ca di a c la e ea ch 114,

101 -102
(201)
3-

3. ... (201)

0. ... Cell Ph i l Bi ch 47, ... (201)

2 - (

Red bi l g 15, 2

1. ... "□



188, 2 -3

0.

1.

2.

3.

Pharmacol

J. of the Am. Coll. of Ca

1- 1

-1

F. Pharmacol

- 03

J. of the Coll. of Ca di l g 72

.* (201)

Cell M l Life, 13

E X Q

.* (201)

., □

， ； ， ； ， ； . * (201)

100. , . . . , . . . (201)
.J Al heime Di 60, 1- 2

101. , . . . (201)
. Tai a J Ob e G e 56,

102. . . . * (201) 130- 3
. Bi chem Pha mac l 139, 122-122

103. . . . * (201) 130- 3
. J al f he Ame ica C llege
fCa di l g 6

10 * (201) 130- 3
. J al f he Ame ica C llege f
Ca di l g 3- 3

10 130- 3
. Cell dea h & di ea e 7

10 * (201) -1
I J Cli E Med 10, 12 2 -12 33

10 * (201)
. J al f he Ame ica
C llege fCa di l g 69,

10 * (201) 2,
. J al f he Ame ica C llege fCa di l g
69, 2 - 2

10 * (201)
J Al heime Di 60,
 1 1- 1 0

.Pl O e 11

121. , , (201)
2

3 *.O c l Re 36, 3311-331*

122. , , ,
. * (201) 1

.F ee Radical Bi Med 92, 1-1

123. , , , ,
(201) - -

/ 2/ i e medici e a d cell la l ge i 2016

12 . , , , , , , ,
(201) - -

I e al fm lec la cie ce 17

12 . , , , , , , , ,
(201)

Bi cie ce Re 36

12 . , , , , , , , ,
(201)

.Die Pha ma

12 . , , , , , , , ,

.Bi g Med Chem Le 26, 0-

12 . , , , , , , , ,
(201)

P dC mm 11,1 -1 1

12 . , , , , , , , ,
)

-1)

.Scie ific e 6

130. , , , , , , , ,
, , (201)

.Bi cie ce

Re 36

131. , , , , , , , ,
(201) -1

J Am Coll Dent 68, 2-2
132.
 (201) -30

Red Sig 22, 22-20
133. (201)

1 2
13 *Ni ic O ide-Bi l Ch* 46, 20 -212
 (201)

O ida i e medici e a d cell la l ge
2015
13 (201)

2. *E ea j al f*

ha mac l g 761, 13 -1 3
13 (201) -1

/ /
/ 1 . *I e a i alj* *la cie ce* 16, 1 -1 3
13 (201)

. *C . Ca ce D g Ta* 15, 13- 23

13 (201)

I Pha mac l Sci 127, 2 1-2
13 (201)

Med 43, 1 -1
1 0. (201)

1 1 (201)

1 1 (201)

m lec la cie e 16 2 -
1 2. , . .* (201)

. Pl
1 3. (201)

. Bi cie ce Re 35
1 . , . .*
(201)

. Xe bi ica 45, 322-33
1 . , . .* (201)

O ide 20- 21
1 . , . .* (201)

E . Ph -33
1 .
. J Imm l 194

1 . , . .* (201)

. Ni ic O ide-Bi l Ch 39,
1 . , . .*

3. A i id Red Sig 20, 2303-23
1 0. , . .* (201)
(1-

. JN flamm
1 1. , . .* (201)
/ +/ +-

1 2. *.A i id Red Sig 21, 20 1-20 2*
... ..
... ..* (201)

1 3. *.Pl 9*
... ..
... ..* (201)

1 *.ci W ld J*
... ..
... ..* (201)

1 *.Ta l Re 6, 2 1-2 0*
... ..
... ..* (201)

1 *.I e ai e*
fm lec la cie ce 15, 23212-2322
... ..
... ..* (201)

1 *.Bmc Ca ce 14*
... ..
(201)

1 *.C ech l g 66, 1-*
... ..
... ..* (201)

1 *.R c Ad 4, 00 - .0101*
... ..
... ..* (201)

1 0. *.ic O ide-Bi l Ch 41 113-11*
... ..
... ..* (201)

1 1. *.Xe bi ica 4*
... ..
... ..* (201)

.Ni ic O ide-Bi l Ch 39

1 2. , , , , , (1)

O ide-Bi l Ch 3

1 3. , . .* (20) 02

.Ni ic O ide-Bi l Ch

1 . , , , , . .* ()

Bi l Ch 39, 1 - 1

1 . , . .* (201)

.Ni ic O ide-Bi l Ch 39, 1 - 1

1 . , , , , . .* (201) 2

.Ni ic O ide-Bi l Ch 39, 2 -

1 . , , , , . .* (201) (

f he Ame i

C llege fCa di l g 64, -

1 . , , , , , . .* ()

()

J he

Ame ica C llege fCa di l g 64, 23 -

1 . , , , , , , , , , , . .* , . (201) -

2014 8 h l e a i al

C fe e ce S em Bi l g (ISB 32-1 0

1 0. , , , , , , , , , , . .* (2013)

e 8

1 1. , , , , , , , , , , . . (2013)

2

2

10 - 102

. A i id

Red Sig 19, -

1 2. , , , , , , , , , . (-1)

Free Radical B... 34,

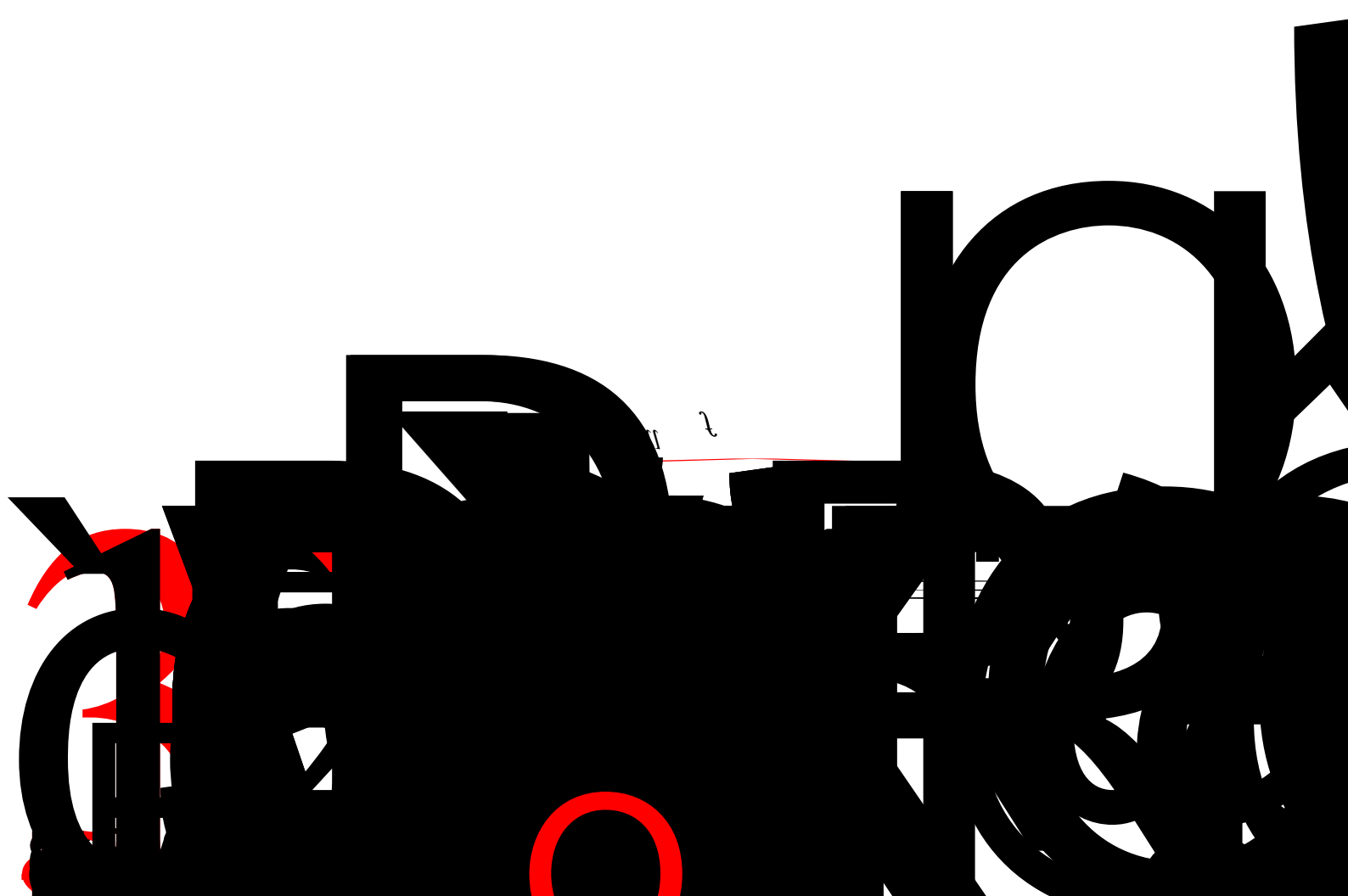
3-10

1 3. , , , . . * (2013)

le a ... l Si 34, 12 -12 1

1 . , . , , , . . * (20

I e al j al fca di l g 16



- 1 3. ... (2013)
 (1- 0)
 .Ni ic O ide-Bi l Ch 31, 2- 3
- 1 (2013)
 2
 i ic O ide-Bi l Ch 31, 31- 32
- 1 . (2013) 2
 .Ni ic O ide-Bi l Ch 31, 1 - 1
- 1 (2012)
 - -
 .A he cle i 222, 3 - 2
- 1 (2012)
 . O ida i e medici e a
 l ge i 2012
- 1 (2012) (2)
 - -
 .Am J Pa h l 180, 1-1- 0
- 1 (2012) -1
 .A he cle i 224, 3- 0
- 1 0. ... (2012)
 - - .E J
 Med Chem 55, 1 -1
- 1 1. ... (2012)
 - - () -
 .Pl O e 7
- 1 2. ... (2012)
 - -
 .E ea j al f ha mac l g 680, 10 -11
- 1 3. ... (2012)
 - - , *

32 -332
1
I e a i al j al f ca di l g 155,
.* (2012)

Pha mac l P 39, 2 -2 2
1
.* (2012)

Ca ce 64, 10 0-10
1
.* (2012)

Bi cie ce Re 32, 1 -1
1
.* (2012)

Ac a Pha mac l Si 33, 3
1
.* (2012)

Xe bi ica 42, 30 -30
1
.* (2012)

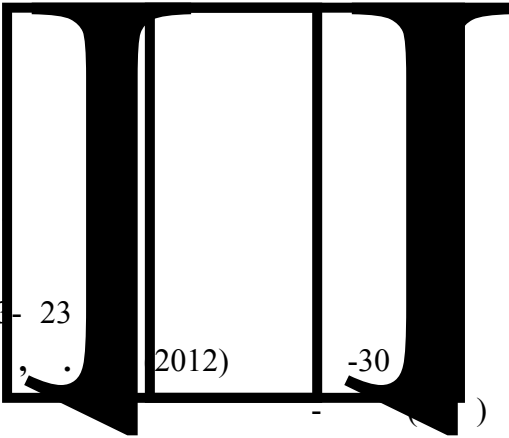
200.
. (2012)

Bi l Pha m B 2 -12
201.
.* (2012)

Hea 98, 2 - 2
202.
()

Ni ic O ide-Bi l Ch 27, 1 - 1
203.
.* (2012)

Ni ic O ide-Bi l Ch 27, 31- 31
20
.* (2012)



20 *Ni ic*
O ide-Bi l Ch 27, 21- 23
 20 (2012) -30
 2
Ni ic O ide-Bi l Ch 27, 3 - 3
 20 , . .* (2012)

Ni ic
O ide-Bi l Ch 27, 13- 13
 20 , . .* (2012)

Hea 98, 232- 232
 20 , b , . .* (2012) -
 ()- 3- . *Hea 98,*
 20 , . .* (2012)
 - /

A i id Red Sig al 17, 10 -11
 210. , < . . .* (2011)

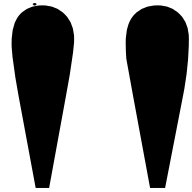
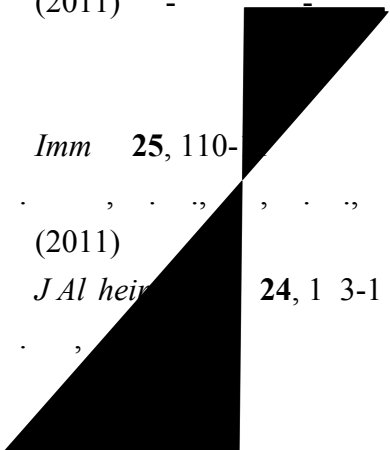
J Ag F d Chem 59, 11 3 -11 3
 211. , . .* (2011)

Pl O e 6
 212. , < . .* (2011)

Bi cie ce Re 31, -
 213. , . .*
 (2011) -

Imm 25, 110-
 21 , . .*
 (2011)

J Al heir 24, 1 3-1 2
 21



21 . , . ,, , . ,, , . ,, , . , . .* (2011)
- - () -
2
. *Ami Acid* **41**, 20 -21

21 . , . ,, , . ,, , . ,, , . ,, , . , . .*
(2011) - - (- 02), - ,
- - -
1/2 - . *Ami Acid*
40, 01- 10

21 . , . ,, , . ,, , . ,, , . , . .* (2011)
1 - -
- . *Ne chem I* **58**
1- 0

21 . , . ,, , . ,, , . ,, , . , . .* (2011)
-
- . *E J Med Chem* **46**, 3 - 00

220. , . ,, , . ,, , . ,, , . , . .* (2011)
-
. *E e a j al f ha mac l g* **650**, 2 0-2

221. , . ,, , . ,, , . ,, , . , . .* (2011) 1
2 -
. *Pha mac l Bi chem Be* **98**, 3 2-3

222. , . ,, , . ,, , . ,, , . , . .* (2011) -
- . *Bi cie ce Re* **31**, 3 -

223. , . ,, , . ,, , . ,, , . ,, , . , . .* (2011)
-
- /
. *J Pha m ce Bi med* **54**, 11 -11 1

22 . , . ,, , . ,, , . ,, , . , . .* (2011)
-
. *E e e i e f*
c l g **4**, 123-133

22 . , . ,, , . ,, , . ,, , . ,, , . , . .*
(2011) 2 - - - 01

Pl O e 6, 20 2

22 . , , , , , , , , , , , . .* (2010)

2 . *A i id Red Sig 12, 11 -11*

22 . , , , , , , , , , , , . .* (2010)

S ke 41, 2 1-

22 . , , , , , , , , , , , . .* (2010)

Bi l Pha m B ll 33, 1 -1

230. , , , , , , , , , , , . .*
(2010)

Ph i chem Be 96,

2-

231. , , , , , , , , , , , .

J Pha mac l Sci 114, 3 - 0

232. , , , , , , , , , , , . .* (2010)
-1

Bi l Pha m B 0-1

233. , , , , , , , , , , , . .* (2010)
(-1)

j al f ha mac l g 649, 23 -2 1

23 . , , , , , , , , , , , . (2010)

Ph me 17, 3-

23 . , , , , , , , , , , , . (2010)

2 . *C Pha m*

Bi ech 11, - 0

23 . , , , , , , , , , , , .
(2010)

ma e 2010

23 . , , , , , , , , , , , . (2010)

Bi g

Med Chem Le 20, 2-

23 . , , , , , , , , , , , . .* (200)

118
2 0. (200)
2
2
2

2 1. (200)
2 2. (200)
2 3. (200)
2 4. (200)

2 5. (200)
2 6. (200)
2 7. (200)
2 8. (200)

2 9. (200)
2 10. (200)
2 11. (200)
2 12. (200)

2 0. (200)
C D gMe b 7, 10 -11

2 1. (200)
I

Imm ha mac l 6

2 1. (200)
B i J Pha mac l 148,

- 01

2 2. (200)
C Pha m

De ig 12

2 3. (200)
J Pha mac l Sci 101, 2 -2

2 . (200)

T ic l A l Pha m 21

2 . (200)
C Med Chem 13, 2 -2

2 . (200)
J Pha mace Bi med 41, 12 -13

41, 1 -1

2 . (200)
3 / -2

O e a h Ca ilage 14, 0- 0

2 . (200)

. *J Pha mac l E The* **319**,

2-10

2 0. , . , , , . . . (200)

Ph i l-Hea C 290, 1 - 2

2 1. , , , , . . . (200)

10

200)

al f

Bi l gical Chemi **281**, 30 -30 1

2 2. , . , , , . . . * (200)

. *Ne ci*

Le **398**, 2 -33

2 3. , . , , , . . . * (200)

3-

-1. *Cell Sig al* **18**, 0 - 1

2 . , . , , , . . . * (200)

(2) ()

. *Ac a Pha* , 1 -1

2 . , . , , , . . . * (200)

. *Ac a*

27, 1 0-1 1

2 . , . , , , . . . (200)

. *Ac a Pha mac l Si* **27**,

1 -1

2 . , . , , , . . . (200)

- 1

. *I JNe ch h* **9**, 21 - 21

2 . , . , , , . . . * (200)

. *E Hea J* **27**, 33 -33

2 . , . , , , . . . (200)

1

. *Ci c Re 99, 2- 2*

2 0. , ,, , ,, , . .* (200)
1

. *Ac a Pha ma -1*

2 1. , ,, , ,, , . (200)

. *C C - 0*

2 2. ,, . ,, , . ,, , ,, , . .* (200)

. *C e Al heime e ea*

32 -33

2 3. , ,, , ,, , . ,, , . ,, , . ,, , . (200)

. *Fa eb J , 11 -+*

2 . , ,, , ,, , . ,, , . .* (200)
- ()

. *Na P d Re 22, 3 1-3*

2 . , ,, , ,, , . ,, , . ,, , . , .

g Me ab Re 37, 11- 03

2 . , ,, , ,, , . ,, , . ,, , . ,, , . ,, , . (200)

Pha m Re -D d 22, 1 3 -1 3

2 . , ,, , ,, , . ,, , . ,, , . ,, , . , . .* (200)

. *Life*

cie 2 0

2 . , ,, , ,, , . ,, , . .* (200) -2
(2) -

Ne ci Bi beha R

29, 13 1-13 3

2 . , ,, , ,, , . ,, , . ,, , . ,, , .

. *Life cie ce 76, 30 3-30*

2 0. , ,, , . ,, , . . . (200)

Ne e 16, 1 3-1

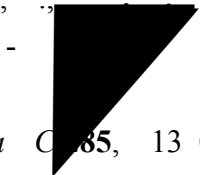
2 1. , . ,, , . ,, , . ,, , . ,, , . (200)
, . ,, , . ,, , .

(200)

bi h ical e comm ica i **314**, 1-
303. , .

. *Bi chemical a d*

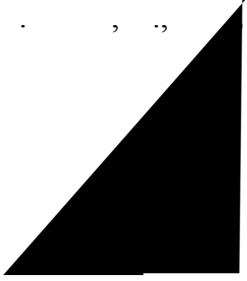
313. , , , ” , , . ” , . . (2003)



. *Am J*

Phil-Hea C 85, 13 0- 13

31 . , , ” , . ” , ” , . ” , . . ”



JOURNAL

(2001)

E. Health 2,

.Ac a P... c lSi 21,

(2)

.Ne e 11, 11

32

.Ac a Pha mac lSi 20, 1-

32

(2000)

SHY

PARADDO

f he

e i -a gi e i -ald e e em : JRAAS 1, 2 -2

32

□

. Diabe e 45, -

33 . , (1)

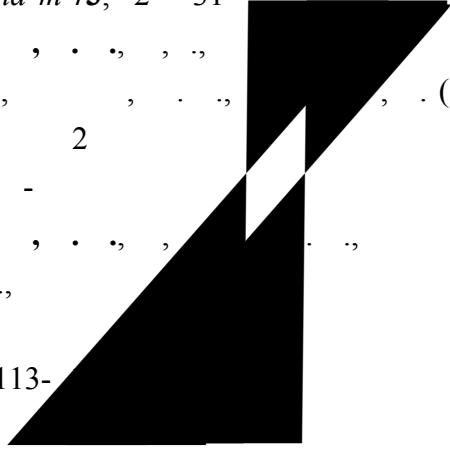
- . Ca J Ph i l

Pha m 73, 2 - 31

33 . , (1) 1
2 . H e e i 28,

33 . , 1 2
2 . H e e i 28,

113-



:

()

// / / . 00

, ,

Macaca fa cic la i - , ()

(// / / . 3 33).

, ,